




## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input type="text"/>	A. Left or right B. Upper or lower C. Open D. None of these
2	The feasible solution, which maximizes or minimizes the objective function, is called the _____:	A. Maximum solution B. Optimal solution C. Minimum solutions D. None of these
3	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line C. Normal line D. None of these
4	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
5	$ax + by + c = 0$ , will represent equation of straight line parallel y-axis if:	A. $a = 0$ B. $b = 0$ C. $c = 0$ D. $a = 0, c = 0$
6	The axis of the parabola $y^2 = 4ax$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$ D. $y = a$
7	In the translation of axes which formula is true:	A. $x = X + h$ B. $X = x + h$ C. $x + X = h$ D. None
8	Let $f(x) = x^2$ , then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
9	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$ :	A. Above B. Left C. Below D. Right
10	If $f(x) =  x $ , $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
11	Question Image <input type="text"/>	A. Unit vector B. Null vector C. Position vector D. None of these
12	The line $x = a$ is on the right of y - axis if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
13	Let $f(x) = x^2$ , real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
14	The radius of circle $x^2 + y^2 + ax + by + c = 0$ is:	D. None
15	If the lower limit is a constant and the upper limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
16	The ordered pair _____ is a solution of the inequality $x + 2y < 6$ .	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)

17	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.	<ul style="list-style-type: none"><li>A. First</li><li>B. Third</li><li>C. Second</li><li>D. Fourth</li></ul>
18		<ul style="list-style-type: none"><li>A. <math>\sin x</math></li><li>B. <math>-\cos x</math></li><li>C. <math>-\sin x</math></li><li>D. <math>\cos x</math></li></ul>
19		<ul style="list-style-type: none"><li>A. <math>x = 0</math></li><li>B. <math>y = -a</math></li><li>C. <math>y = 0</math></li><li>D. <math>y = -a</math></li></ul>
20		<ul style="list-style-type: none"><li>A. 4</li><li>B. Does not exist</li></ul>