# FA Part 2 Mathematics Chapter 5 Test Online

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Question Image | A. Open<br>B. Closed<br>C. Open as well as closed<br>D. None of these |
| 2 | Question Image | A. Above<br>B. Left<br>C. Below<br>D. Right |
| 3 | Question Image | A. One variable<br>B. Three variable<br>C. Two variable<br>D. Four variable |
| 4 | A function, which is to be maximized or minimized is called an _____: | A. Maximum function<br>B. Objective funciton<br>C. Minimum function<br>D. None of these |
| 5 | x = c is a vertical line parallel to _____. | A. x-axis<br>B. y-axis may be<br>C. y-axis<br>D. None of these |
| 6 | x = 2 is a vertical line perpendicular to _____: | A. x - axis<br>B. x - axis may be<br>C. y - axis<br>D. None of these |
| 7 | (1, 0) is the solution of inequality : | A. 7x + 2y < 8<br>B. x - 3y < 0<br>C. 3x + 5y > 6<br>D. -3x + 5y > 2 |
| 8 | Question Image | A. At<br>B. Not on<br>C. On<br>D. None of these |
| 9 | A corner point is the point of intersection of: | A. x-axis & y - axis<br>B. Boundary lines<br>C. Any two lines<br>D. None |
| 10 | Question Image | A. (1, 1)<br>B. (1, 3)<br>C. (1, 4)<br>D. (1, 5) |
| 11 | The inequality y > b is the open half plane to the _____ of the boundary line y = b: | A. Above<br>B. Left<br>C. Below<br>D. Right |
| 12 | The system of _____ involved in the problem concerned is called problem constraints: | A. Linear inequalities<br>B. Equations<br>C. Linear equalities<br>D. None of these |
| 13 | A solution of a linear inequality in x and y is an ordered pair of numbers, which _____ the inequality. | A. Does not satisfy<br>B. May be stisfied<br>C. Satisfies<br>D. None of these |
| 14 | 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<br>B. Vertex<br>C. Minimum<br>D. Convex |
| 15 | The feasible solution, which maximizes or minimizes the objective function, is called the _____: | A. Maximum solution<br>B. Optimal solution<br>C. Minimum solutions<br>D. None of these |

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| 16 | x = a is a vertical line perpendicular to _____. | A. x - axis<br>B. x - axis may be<br>C. y - axis<br>D. None of these |
| 17 | A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given contraints. | A. First<br>B. Third<br>C. Second<br>D. Fourth |
| 18 | A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region: | A. Maximum<br>B. Corner<br>C. Minimum<br>D. None of these |
| 19 | There are _____ ordered pairs that satisfy the inequality ax + by > c. | A. Finitely many<br>B. Two<br>C. Infinitely many<br>D. Four |
| 20 | The non-negative inequalities are called: | A. Parameters<br>B. Constants<br>C. Decision variables<br>D. Vertices |