

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Two vectors are equal if they:	A. Pass through the same point B. Are parallel to each other C. Are parallel to each other and have same direction D. Have equal magnitude and have same direction
2	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
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. x - axis B. z - axis C. y - axis D. None of these
4	$y = 2x + 3$ is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
5	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
6	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
7	If $r$ is the radius of the circle and its center is at origin, then equation of circle is:	A. $x^2 + y^2 = a^2$ B. $x^2 + y^2 = r^2$ C. $x^2 - y^2 = a^2$ D. $x^2 - y^2 = r^2$
8	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Point $p(-5, 6)$ lies ..... the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. 2 D. 3
12	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
13	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
14	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	

16	Infinite number of lines can pass through:	<ul style="list-style-type: none"><li>A. One point</li><li>B. Two points</li><li>C. Three points</li><li>D. Four points</li></ul>
17	Question Image	<ul style="list-style-type: none"><li>A. Volume of the tetrahedron</li><li>B. Volume of the parallelepiped</li><li>C. Volume of the triangle</li><li>D. None of these</li></ul>
18	Question Image	<ul style="list-style-type: none"><li>A. 0</li></ul>
19	If $r$ is the radius of any circle and $C$ its center, then any point $P(x_1, y_1)$ lies on the circle only if:	<ul style="list-style-type: none"><li>A. <math> CP  &lt; r</math></li><li>B. <math> CP  &gt; r</math></li><li>C. <math> CP  = r</math></li><li>D. None of these</li></ul>
20	Which of the following is not a vector quantity ?	<ul style="list-style-type: none"><li>A. Weight</li><li>B. Mass</li><li>C. Force</li><li>D. Velocity</li></ul>