

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Which of the following is a vector quantity?	A. Work B. Temperature C. Distance D. Displacement
2	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the section a / an:	A. Parabola B. Hyperbola C. Ellipse D. None of these
3	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
4	Question Image	A. sec x tan x B. sec <sup>2</sup> x Csec x tan x Dsec <sup>2</sup> x
5	Perpendicular dropped from the center of a circle on a chord the chord:	A. Normal B. Bisects C. Equal to D. None of these
6	Question Image	
7	The order (or sense) of an inequality is changed by, it each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
8	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
9	Question Image	
10	The coordinate axes divide the plane into equal parts:	A. 1 B. 2 C. 3 D. 4
11	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
12	The focus of the parabola $x^2 = 4ay$ :	A. (0, a) B. (-a, 0) C. (0, -a) D. (a, 0)
13	The graph of linear equation of the form ax + by = c is a where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
14	The curves obtained by cutting a double right circular cone by a are called conics:	A. Straight line B. Plane C. Curve D. None of these
15	Question Image	
16	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
		D. 1600 01 01000

		D. $t(x) = -3t(-x)$
18	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
	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:	A.  CP  < r B.  CP  > r C.  CP  = r D. None of these