FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. x = a B. x = 2 C. x = 0 D. None
2	In equation of circle, coefficient of each of x^2 and y^2 are:	A. Not equal B. Opposite in signs C. Equal D. None of these
3	Question Image	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
4	The point of intersection of internal bisectors of the angles of a triangle is called:	A. Centroid B. Ortho-centers C. Circums-center D. In-center
5	If s is the distance traveled by a body at time t, the velocity is given by the expression:	
6	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
7	-4 < y < 4 is the solution of the following:	A. y = 5 B. y = 3 C. y = -4 D. y = 4
8	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x| + c D. ln |cosec x + cot x | + c
9	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
10	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
11	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
12	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
13	Let $f(x) = x^2 + 3$, then domain of f is:	A. Set of all integers B. Set of natural numbers C. Set of real numbers D. Set of rational numbers
14	If the lien l is parallel to y-axis, then the slope of l is ----------------.	A. 0 B. 1 C. -1 D. undefined
15	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x -axis B. y = c C. y - axis D. x = y
16	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus

17	Question Image	A. 4a B. 2a C. 4b D. 2b
18	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
19	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
20	Question Image	A. Unit vector B. Null vector C. Position vector D. None of these