

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	D. Set of rational numbers A. Parabola B. Hyperbola C. Ellipse D. Circle
3	A chord passing through the focus of a parabola is called a of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
4	Question Image	A. Ellipse B. Parabola C. Hyperbola D. Circle
5	Question Image	A. c B. 0 C. 1 Dc
6	If in the case of translation of axes, O (-3, 2), $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11) D. (3, 7)
7	Question Image	A. e ^{ax} B. f(x) C. e ^{ax} f(x) D. e ^{ax + f(x)}
8	The graph of the the parabola x^2 = 4ay lies in quadrant:	A. I and II B. III and IV C. II and III D. I and III
9	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
10	Question Image	A. 0 B. 1 C. 2 D. 3
11	Question Image	A. 3 B. 4 C. 5 D. 6
12	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
13	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
14	Question Image	A. In sin x B In sin x C. In cos x DIn cos x
15	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None

6	The perpendicular distance of the line $3x + 4y + 10 = 0$ from the origin is:	A. 0 B. 1 C. 2 D. 3
7	For any point (x, y) on x-axis:	A. y = 1 B. y = 0 C. y = -1 D. y = 2
8	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
9	Let $f(x) = \cos x$, then $f(x)$ is an:	A. Even function B. Odd function C. Power function D. None of these
:0	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis