FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	B. 0
2	Question Image	A. Ellipse B. Parabola C. Hyperbola D. Circle
3	Question Image	A. 2cosh x B. 2sinh x C. 2sinh (2x) D. -2sinh (2x)
4	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
5	Question Image	A. a cosec (ax + b) D. cot (ax + b)
6	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
7	The directrix of the parabola $x^2 = -4ay$ is:	A. x = a B. x = -a C. y = a D. y = -a
8	X-co-ordinate of centroid of triangle ABC with A(-2, 3); B(-4, 1); C(3, 5) equals:	A. -1 B. 1 C. 3 D. -3
9	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. x² + y² = a² B. x² + y² = r² C. x² - y² = a² D. x² - y² = r²
10	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
11	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
12	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
13	The opening of the parabola $y^2 = -4ax$ is to the left of the:	A. x-axis B. x = 1 C. y-axis D. x = 0
14	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
15	Question Image	A. 0 B. 1 C. -1 D. 2

16	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
17	Question Image	A. a B. b C. c D. a + b
18	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
19	Question Image	A. Above B. Left C. Below D. Right
20	Question Image	A. 0