

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	y = mx + c is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
2	Question Image	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D5 cosh (5x)
3	The focus of the parabola x2=-4ay is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (a, 0)
4	If $y = (x)$, then the variable x is called variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
5	The operation by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
6	The law of parallelogram of addition was used by Aristotle to describe the combined action of :	A. One force B. Two forces C. Three forces D. Four forces
7	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius
8	Equation of axis of the parabola $x^2 = 4ay$ is:	A. x = 0 B. x = a C. y = 0 D. y = a
9	A line segment whose end points lie on the circle is called a of the circle.	A. Radius B. Chord C. Diameter D. None of these
10	A quadrilateral having two parallels and two non-parallel sides is called:	A. Trapezium B. Rectangle C. Rhombus D. None of these
11	The conic is an ellipse, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
12	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
13	A unit vector is defined as a vector whose magnitude is:	A. 0 B. 2 C. 1 D. 4
14	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)
15	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

6	ax + by + c = 0 has matrix from as:	B. ax + by = -c C. [ax + by] = [c] D. [ax - by] = [-c]
7	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
8	The axis of the parabola $y^2 = 4ax$ is:	A. x = 0 B. x = a C. y = 0 D. y = a
9	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
0	Question Image	A. e ^{ax} B. f(x) C. e ^{ax} f(x) D. e ^{ax + f(x)}