

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	(1, 0) is the solution of inequality :	A. $7x + 2y < 8$ B. $x - 3y < 0$ C. $3x + 5y > 6$ D. $-3x + 5y > 2$
2	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
3	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x^2 C. $2x$ D. 2
4	Area between x-axis and the curve:	A. 32 D. 16
5	If the graph of f is entirely above the x-axis, then the definite integral is _____:	A. Positive B. Positive or negative C. Negative D. Positive and negative
6	The focus of the parabola $x^2 = -4ay$ is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
7	If $f(x) = x $, f(x) is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
8	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola
9	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
10	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
11	A line segment having both the end-points on a circle and not passing through the center is called a:	A. A chord B. A secant C. A diameter D. None of these
12	Parametric equations $x = a \cos t$, $y = a \sin t$ represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
13	<div style="border: 1px solid #ccc; padding: 2px; width: fit-content;">Question Image</div>	A. $\cos x + c$ B. $-\cos x + c$ C. $\sin x + c$ D. $-\sin x + c$
14	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
15	<div style="border: 1px solid #ccc; padding: 2px; width: fit-content;">Question Image</div>	A. R B. $R - \{2\}$ C. $R - \{2, -2\}$ D. $R - \{-2\}$
		A. (1, 1)

16	Question Image	B. (1, 3) C. (1, 4) D. (1, 5)
17	A function, in which the variable appears as exponent (power), is called a / an ----- function.	A. Constant B. Explicit C. Exponential D. Inverse
18	Question Image	A. Position vector B. Null vector C. Unit vector D. None of these
19	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
20	Question Image	