

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $f(x^{>2} + 1)$ B. $f(x)$ D. $f(x^{>2})$
2	The directrix of the parabola $x^2 = 4ay$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
3	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x-axis B. $y = c$ C. y-axis D. $x = y$
4	The set of all points in the plane that are equally distant from a fixed point is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
5	The small change in the value of $f(x)$, positive or negative is called the ----- of x .	A. Increment B. Differential C. Derivative D. none of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0
7	Distance of the point $(-3, 7)$ from x-axis is:	A. 3 B. -3 C. 7 D. 10
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\tan x$ B. $\cot x$ C. $-\tan x$ D. $-\cot x$
9	The directrix of the parabola $x^2 = -4ay$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Scalar B. Free vector C. Unit vector D. Null vector
11	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined
12	Gottfried Wilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
13	The opening of the parabola $y^2 = 4ax$ is to the _____ of the:	A. Left B. Upward C. Right D. Downward
14	$(1, 0)$ is the solution of inequality :	A. $7x + 2y < 8$ B. $x - 3y < 0$ C. $3x + 5y > 6$ D. $-3x + 5y > 2$
15	If a function f is from a set X to a set Y , then set X is called the _____ of f :	A. Domain B. Range C. Co-domain D. None of these
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $\sinh x$ D. $\cosh x$

17	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
18	$y = mx + c$ is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
19	In the case of translation of axes which formula is true:	A. $x = X - h$ B. $x = X + h$ C. $x + X = h$ D. None
20	The line $y = c$ is above the x - axis, if:	A. $c > 0$ B. $c < 0$ C. $c = 0$
