

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If the radius of a circle is zero, then the circle is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
2	Question Image	A. 60° B. 90° C. 30° D. 45°
3	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. $y = x$ C. y-axis D. None of these
4	Question Image	
5	Question Image	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
6	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
7	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
8	Question Image	A. $e^{\sup ax}$ B. $f(x)$ C. $e^{\sup ax} f(x)$ D. $e^{\sup ax + f(x)}$
9	Question Image	A. At B. Not on C. On D. None of these
10	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
11	Question Image	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
12	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the section a / an:	A. Parabola B. Hyperbola C. Ellipse D. None of these
13	Question Image	A. 0 B. 2 C. 3 D. 1
14	The focus of the parabola $x^2 = -4ay$ is:	A. $(-a, 0)$ B. $(0, a)$ C. $(0, -a)$ D. $(a, 0)$
15	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
16	Question Image	D. 2

17	If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:	<p>A. y</p> <p>B. y</p> <p>C. lower limit</p> <p>D. upper limit</p>
18	If a point lies inside a circle, then its distance from the center is:	<p>A. Equal to the radius</p> <p>B. Less than the radius</p> <p>C. Greater than the radius</p> <p>D. Equal to or greater than the</p>
19	The term dy (or df) = $f'(x) dx$ is called the _____ of the dependent variable y .	<p>A. Differentiation</p> <p>B. Integration</p> <p>C. Differential</p> <p>D. None of these</p>
20	$ax + by + c = 0$, will represent equation of straight line parallel y-axis if:	<p>A. $a = 0$</p> <p>B. $b = 0$</p> <p>C. $c = 0$</p> <p>D. $a = 0, c = 0$</p>