

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	There are _____ ordered pairs that satisfy the inequality $ax + by > c$.	A. Finitely many B. Two C. Infinitely many D. Four
2	$ax + by + c = 0$, will represent equation of straight line parallel y-axis if:	A. $a = 0$ B. $b = 0$ C. $c = 0$ D. $a = 0, c = 0$
3	Which one is not an exponential function ?	
4	Question Image	
5	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
6	$i \cdot (j \cdot k) =$	A. Meaningless B. -1 C. 1 D. 2
7	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
8	Question Image	A. Line B. Parabola C. Ellipse D. Hyperbola
9	Question Image	
10	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
11	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. $y = x$ C. y-axis D. None of these
12	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
13	If s is the distance traveled by a body at time t, the velocity is given by the expression:	
14	$x = 2$ is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
15	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
16	The axis of the parabola $x^2 = -4ay$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
17	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
		A. $e^{2x} \sin x + c$

18	Question Image	B. $e^{\frac{2x}{\sin x}} \cos x + c$ C. $-e^{\frac{2x}{\sin x}} \sin x + c$ D. $-e^{\frac{2x}{\sin x}} \cos x + c$
19	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
20	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius