

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. $2\cosh x$ B. $2\sinh x$ C. $2\sinh(2x)$ D. $-2\sinh(2x)$
2	The linear function $f(x) = ax + b$ is an identity function if:	A. $a = 0, b = 1$ B. $a = 1, b = 0$ C. $a = 1, b = 1$ D. $a = 0, b = 1$
3	If the cutting plane is slightly tilted and cuts only one nappe of the cone, then the section is a / an:	A. Ellipse B. Circular cone C. Circle D. Point circle
4	$ax + by + c = 0$, will represent equation of straight line parallel y-axis if:	A. $a = 0$ B. $b = 0$ C. $c = 0$ D. $a = 0, c = 0$
5	The instantaneous rate of change of y with respect to x is given by:	
6	Question Image	A. x - axis B. z - axis C. y - axis D. None of these
7	There are _____ ordered pairs that satisfy the inequality $ax + by > c$.	A. Finitely many B. Two C. Infinitely many D. Four
8	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
9	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
10	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
11	Question Image	
12	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
13	The vertical line $y'oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
14	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
15	The range of the function $f(x) = x $	
16	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
17	$x = 4$ is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis

D. None of these

18 The radius of circle $x^2 + y^2 + ax + by + c = 0$ is: D. None

19 Question Image A. 0
B. 1
C. -1
D. 2

20 The horizontal line $x' ox$ is called: A. x-axis
B. y-axis
C. abscissa
D. ordinate