FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
2	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
3	Question Image	A. Line parallel to x - axis B. Line parallel to y - axis C. Inclined D. Both (a) and (b)
4	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
5	If the focus lies on the x-axis with coordinates F(a, 0) and directrix of the parabola is = - a then the equation of parabola is:	A. x^2 = 4ay B. y^2= 4ax C. $-x^2$ = 4ay D. $-y^2$= 4ax
6	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
7	The symbol || is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
8	The graph of linear equation of the form ax + by = c is a _____ where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
9	Question Image	A. sec x tan x B. sec^2x C. -sec x tan x D. $-sec^2$x
10	Question Image	A. x - axis B. z - axis C. y - axis D. None of these
11	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. $-e^{2x}$sin x + c D. $-e^{2x}$cosx + c
12	If the degree of a polynomial function is ------------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
13	Let f(x) = x^2, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
14	Question Image	A. x = a B. x = 2 C. x = 0 D. None
15	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these

16	Question Image	A. 90° B. 30° C. 60° D. 0°
17	Question Image	
18	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
19	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
20	Area between x-axis and the curve:	A. 32 D. 16