

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Implicit B. Explicit C. Exponential D. Logarithmic
3	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
4	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
5	$y - y_1 = m(x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form
6	Equation of axis of the parabola $x^2 = 4ay$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$ D. $y = a$
7	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
8	Point of intersection of $x + y = 5$ & $x - y = 3$ is:	A. (5, 5) B. (4, 2) C. (4, 1) D. (1, 4)
9	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
10	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
11	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
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a B. b C. c D. a + b
13	Which one is an exponential function ?	
14	In the translation of axes which formula is true:	A. $x = X + h$ B. $X = x + h$ C. $x + X = h$ D. None
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Position vector B. Null vector C. Unit vector D. None of these
16	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function

D. None of these

17 The instantaneous rate of change of y with respect to x is given by:

18 Question Image

19 The equation to the straight line which passes through the point $(2, 9)$ and makes an angle of 45° with x -axis is:

A. $x + y + 7 = 0$

B. $x - y + 7 = 0$

C. $y - x + 7 = 0$

D. None of these

20 Question Image