

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input type="text"/>	A. x with respect to y B. y with respect to y C. y with respect to x D. x with respect to x
2	Question Image <input type="text"/>	A. 0 B. 1 C. -1 D. 2
3	Question Image <input type="text"/>	A. $f(x^{>2} + 1)$ B. $f(x)$ D. $f(x^{>2})$
4	Question Image <input type="text"/>	
5	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
6	The equation of a straight line which parallel to the line $3x - 2y + 5 = 0$ and passes through $(2, -1)$ is:	A. $3x + 2y - 8 = 0$ B. $3x - 2y + 8 = 0$ C. $3x - 2y - 8 = 0$ D. $3x + 2y + 8 = 0$
7	If $(2, 1)$ is the mid point of the line segment joining the points $(2, x)$ & $(2, -5)$ then $x =$	A. 1 B. 2 C. 7 D. -7
8	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
9	The axis of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
10	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
11	$\tanh x =$	
12	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
13	Question Image <input type="text"/>	A. Implicit B. Explicit C. Exponential D. Logarithmic
14	$x = 3 \cos t, y = 3 \sin t$ represent	A. Line B. Circle C. Parabola D. Hyperbola
15	Question Image <input type="text"/>	A. 0 B. 2 C. 3 D. 1
16	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. $x^{>2}$ C. $2x$ D. 2
17	The distance of any point $P(x, y)$ from the origin $O(0, 0)$ is given by:	

18	The graph of the parabola $x^2 = -4ay$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
19	The vertex of the parabola $x^2 = -4ay$ is:	A. (a, 0) B. (0, 0) C. (0, -a) D. (0, a)
20	Question Image <input type="text"/>	A. 4 B. 2 C. 1