FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these
3	y^2 = 4ax, is the standard equation of the:	A. Ellipse B. Parabola C. Hyperbola D. None of these
4	Two vectors are equal if they:	A. Pass through the same point B. Are parallel to each other C. Are parallel to each other and have same direction D. Have equal magnitude and have same direction
5	The focus of the parabola x2=-4ay is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
6	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
7	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
8	Question Image	C. 28 D. 29
9	Question Image	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
10	Question Image	A. 0 B. 1 C. -1 D. 2
11	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
12	Question Image	
13	One of the angles of a triangle inscribed in a circle is of 40°. If one of its' the diameter, the other angles have the measures:	A. 30°, 110° B. 40°, 100° C. 50°, 90° D. 20°, 120°
14	Question Image	
15	The ratio in which the line segments joining (2, 3) and (4, 1) is divided by the line joining (1, 3) and (4, 3) is:	A. 2 : 1 B. 3 : 1 C. 1 : 2 D. 1 : 1
16	Question Image	A. Even B. Odd C. One-one D. Zero
17	Question Image	A. sec x tan x B. $\sec^2 x$ C. -sec x tan x

D. -sec^{2}x

18	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
19	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
20	Question Image	A. Lagrange B. Newtown C. Leibniz D. Cauchy