

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Notation Df(x) for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
2	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. $3x + 2y + 8 = 0$
3	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
4	Which one is an exponential function?	
5	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
		A. Above
6	Question Image	B. Left C. Below D. Right
7	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
8	Question Image	
9	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
10	In the translation of axes which formula is true:	A. x = X + h B. X = x + h C. x + X = h D. None
11	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
12	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm
13	If $y = f(u)$ and $u = F(x)$, then:	
14	For different values of k, the equation $4x + 5y = k$ represents lines to the line $4x + 5y = 0$.	A. Perpendicular B. Parallel C. Equal D. None of these
15	The law of parallelogram of addition was used by Aristotle to describe the combined action of :	A. One force B. Two forces C. Three forces D. Four forces
16	An integral of 3x ² is:	A. x ³ +c B. 3 C. 6x D. x ^{2+c}
17	The function y = ln x is a/an function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic

8	Question Image	
19	Question Image	A. Scalar quantity D. Reciprocal vector
20	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1