

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Which one is not an exponential function ?	
2	The conic is a parabola, if:	A. $e = 1$ B. $e > 1$ C. $0 < e < 1$ D. $e = 0$
3	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
4	Question Image	A. Scalar quantity D. Reciprocal vector
5	Question Image	A. Line parallel to x - axis B. Line parallel to y - axis C. Inclined D. Both (a) and (b)
6	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$:	A. Above B. Left C. Below D. Right
7	The distance between the points $(1, 2)$, $(2, 1)$.	A. 1 D. 2
8	Question Image	A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these
9	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
10	Question Image	A. Line B. Parabola C. Ellipse D. Hyperbola
11	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
12	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
13	Question Image	A. a B. $2b$ C. b D. $2a$
14	Question Image	A. 0 B. 1 C. -1 D. 2
15	The horizontal line x' ox is called:	A. x-axis B. y-axis C. abscissa D. ordinate
16	If a straight line is perpendicular to y-axis, then its slope is:	A. 1 B. -1 C. 0 D. undefined
17	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

18 If a straight line is perpendicular to x-axis, then its slope is:
A. 0
B. 1
C. 2
D. Undefined

19 $x = 2$ is a vertical line perpendicular to _____:
A. x - axis
B. x - axis may be
C. y - axis
D. None of these

20 The centroid of a triangle is a point that divides each median in the ratio:
A. 2 : 1
B. 2 : 3
C. 1 : 3
D. 4 : 3
