

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If r is the radius of any circle and C its center, then any point $P(x_1, y_1)$ lies outside the circle only if:	A.  CP  < r B.  CP  = r C.  CP  > r D. None of these
2	Question Image	A. 0 B. 1 C. e D. Does not exist
3	If the degree of a polynomial function is, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
4	Distance of the point (-3, 7) from x-axis is:	A. 3 B3 C. 7 D. 10
5	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
6	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
7	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
8	The parabola $y^2$ = 4ax lies in quadrants:	A. I and II B. III and IV C. II and III D. I and IV
9	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. x <sup>2</sup> + y <sup>2</sup> = a <sup>2</sup> B. x <sup>2</sup> + y <sup>2</sup> = r <sup>2</sup> C. x <sup>2</sup> - y <sup>2</sup> = a <sup>2</sup> - y <sup>2</sup> = a <sup>2</sup> D. x <sup>2</sup> - y <sup>2</sup> = r <sup>2</sup> D. x <sup>2</sup> = r <sup>2</sup>
10	The focus of the parabola $y^2$ =-4ax is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (a, 0)
11	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
12	If the cutting plane is slightly tillted and cuts only one nappe of the cone, then the section is a / an:	A. Ellipse B. Circular cone C. Circle D. Point circle
13	Which one is an exponential function?	
14	Question Image	A. domain B. range C. lower limit D. upper limit
15	x = 4 is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis

		D. None of these
16	Question Image	A. sec x tan x B sec < sup > 2 < / sup > x Csec x tan x D. sec < sup > 2 < / sup > x
17	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
18	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
19	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ the circle:	A. Inside B. On C. Outside D. None of these
20	Question Image	A. a B. 2b C. b D. 2a