FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	If the focus lies on the x-axis with coordinates F(a, 0) and directrix of the parabola is = - a then the equation of parabola is:	A. x² = 4ay B. y²= 4ax C. -x²= 4ay D. -y²= 4ax
2	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
3	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
4	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
5	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°
6	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points
7	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
8	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a
9	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
10	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
11	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
12	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
13	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
14	Joint equation of y + 2x = 0, y - 3x = 0 is:	A. (y+2x)(y-3x) = 0 B. (y-2x)(y-3x) = 0 C. (y+2x)(y+3x) = 0 D. (y-2x)(y+3x) = 0
15	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
		A. x = a

16	The equation of the latus-rectum of the parabola $y^2 = 4ax$ is:	B. x = -a C. y = a D. y = -a
17	The graph of the parabola $x^2 = -4ay$ lies in quadrants:	A. I and II B. III and IV C. II and III D. I and III
18	Question Image	
19	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
20	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