

FSC Part 2 Mathematics Chapter 6 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Circle B. Parabola C. Hyperbola D. Ellipse
2	Question Image	A. Ellipse B. Parabola C. Hyperbola D. Circle
3	In the case of rotation of axes which formula is true:	
4	In the case of translation of axes which formula is true:	A. $x = X - h$ B. $x = X + h$ C. $x + X = h$ D. None
5	Question Image	A. a B. 2b C. b D. 2a
6	Question Image	A. $x = 0$ B. $y = -a$ C. $y = 0$ D. $y = -a$
7	Question Image	A. 4a B. 2a C. 4b D. 2b
8	The conic is an ellipse, if:	A. $e = 1$ B. $e > 1$ C. $0 < e < 1$ D. $e = 0$
9	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
10	the focal chord perpendicular to the axis of the parabola is called _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
11	The equation of the latus-rectum of the parabola $y^2 = 4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
12	The length of the latus rectum of the parabola $y^2 = 4ax$ is:	A. a B. 4a C. 2a D. None of these
13	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
14	Equation of axis of the parabola $x^2 = 4ay$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$ D. $y = a$
15	The axis of the parabola $x^2 = -4ay$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
16	The axis of the parabola $y^2 = 4ax$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$

		D. $y = a$
17	The axis of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
18	The axis of the parabola $x^2 = 4ay$ is:	A. $x = 0$ B. $x = -a$ C. $y = 0$ D. $y = -a$
19	The vertex of parabola $(x - 1)^2 = 8(y + 2)$ is:	A. (1, -2) B. (0, 1) C. (-1, -2) D. (1, 2)
20	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)