

## FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D5 cosh (5x)
2	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C1 D. 2
3	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. x <sup>2</sup> = 4ay B. y <sup>2</sup> = 4ax Cx <sup>2</sup> = 4ay Dy <sup>2</sup> = 4ay
4	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
5	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2:3 B. 2:5 C. 1:2 D. 3:5
6	Question Image	A. 0 B. 1 C1 D. 2
7	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
8	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
9	The instantaneous rate of change of y with respect to x is given by:	
10	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
11	Question Image	C. 2 D. 1
12	The conic is an ellipse, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
13	The feasible solution, which maximizes or minimizes the objective function, is called the:	A. Maximum solution B. Optimal solution C. Minimum solutions D. None of these
14	The graph of $2x + y < 2$ is the open half plane which is the origin side of $2x + y = 2$ :	A. At B. Not an C. On D. None of these
15	Question Image	B. 0
16	Question Image	A. sinh x B. cosh x Csinh x Dcosh x
17	For any point (x, y) and y - axis:	A. y = 0 B. y = -1 C. v = 1

		D. x = 0
8	Question Image	A. Line parallel to x - axis B. Line parallel to y - axis C. Inclined D. Both (a) and (b)
9	Question Image	A. e <sup>2x</sup> sin x + c B. e <sup>2x</sup> cosx + c Ce <sup>2x</sup> sin x + c De <sup>2x</sup> cosx + c
0	The vertex of the parabola $x^2 = -4ay$ is:	A. (a, 0) B. (0, 0) C. (0, -a) D. (0, a)