

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector
2	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
3	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D3x + 5y > 2
4	The directrix of the parabola $y^2 = 4ax$ is:	A. x = a B. x = -a C. y = a D. y = - a
5	A line segment joining two distinct points on a parabola is called a of the parabola:	A. Chord B. Vertex C. Focus D. Directrix
6	Area between x-axis and the curve:	A. 32 D. 16
7	Question Image	A. domain B. range C. lower limit D. upper limit
8	If the equation of the parabola is $x^2 = 4ay$, then opening of the parabola is to of the x-axis:	A. Left B. Upward C. Right D. Downward
9	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
10	x = c is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
11	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
12	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
13	Question Image	A. x = a B. x = 2 C. x = 0 D. None
14	Question Image	Acosec x cotx B. cosec ² x Ccosec ² x D. cosec x cotx
15	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
10		B. 0

16	Question image	C. 4 D. 7
17	The cross product or vector product of two vectors is defined:	A. Only in plane B. Only in space C. Both a and b D. None of these
18	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
19	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
20	The focus of the parabola $x^2 = 4ay$:	A. (0, a) B. (-a, 0) C. (0, -a) D. (a, 0)