FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D. -3x + 5y > 2
2	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a
3	Let $f(x) = x^2 + 3$, then domain of f is:	A. Set of all integers B. Set of natural numbers C. Set of real numbers D. Set of rational numbers
4	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (0, 0)
5	Equation of the line parallel to x + 3y - 9 = 0 is:	A. 3x - y - 9 = 0 B. 3x + 9y + 7 = 0 C. 2x - 6y - 18 = 0 D. x - 3y + 9 = 0
6	Question Image	
7	If the graph of f is entirely above the x-axis, then the definite integral is _____:	A. Positive B. Positive or negative C. Negative D. Positive and negative
8	Question Image	A. Scalar quantity D. Reciprocal vector
9	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
10	The point of intersection of internal bisectors of the angles of a triangle is called:	A. Centroid B. Ortho-centers C. Circums-center D. In-center
11	If the inclination of the line l lies between]0°, 90°[, then the slope of l is:	A. Positive B. Negative C. Undefined D. None of these
12	If s is the distance traveled by a body at time t, the velocity is given by the expression:	
13	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
14	Question Image	A. x = a B. x = 2 C. x = 0 D. None
15	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
16	Question Image	A. 0 B. -1 C. 1 D. 2
17	Question Image	A. 0 B. 2 C. 1

		D. -1
18	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
19	Question Image	
20	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these