FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	If (2, 1) is the mid point of the line segment joining the points (2, x) & (2, -5) then x =	A. 1 B. 2 C. 7 D. -7
3	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
4	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
5	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ _____ the circle:	A. Inside B. On C. Outside D. None of these
6	Question Image	A. 0 B. 1 C. e D. Does not exist
7	The area A of a circle as a function of its circumference C is:	
8	The ordered pair _____ is a solution of the inequality x + 2y < 6.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
9	Question Image	A. sec x tan x B. - sec²x C. -sec x tan x D. sec²x
10	Question Image	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
11	Question Image	
12	The small change in the value ofx, positive or negative is called the -------- of x.	A. Increment B. Differential C. Derivative D. none of these
13	If the equation of the parabola $x^2 = 4ay$, then opening of the parabola is upward of the:	A. x-axis B. y-axis C. Major axis D. Minor axis
14	Question Image	A. x with respect to y B. y with respect to y C. y with respect to x D. x with respect to x
15	The range of the function f(x) = |x|	
16	Question Image	A. 60° B. 90° C. 30° D. 45°
17	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
18	Question Image	A. tan x + c B. -tan x + c C. sec x + c

		D. -sec x + c
19	The symbol y = f(x) i.e. y is equal to f of x, invented by Swiss mathematician----------:	A. Euler B. Cauchy C. Leibniz D. Newton
20	Question Image	