FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	If x and y are so mixed up and y cannot be expressed in terms of the independent variable x, then y is called a/an ---- function of x.	A. Constant B. Explicit C. Implicit D. Inverse
2	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
3	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
4	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. x = a B. x = -a C. y = a D. y = -a
5	Question Image	A. 4 B. 2 C. 1
6	Measure of the central angle of a minor arc is ____ the measure of the angle subtended in the corresponding major arc.	A. Equal B. Double C. Not equal to D. Triple
7	The pair of lines of homogeneous second-degree equation $ax^2 + 2hxy + by^2 = 0$ are real and coincident, if:	A. h² < ab B. h²> ab C. h²= ab D. None of these
8	Question Image	
9	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
10	The axis of the parabola $x^2 = -4ay$ is:	A. x = a B. x = 0 C. y = a D. y = 0
11	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
12	The line x = a is on the right of y - axis if:	A. a > 0 B. a < 0 C. a = 0
13	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
14	Question Image	
15	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
16	Question Image	
17	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined
18	Question Image	A. 0 B. 2 C. 1

		C. 1 D. -1
19	The derivative of x with respect to y is given by:	
20	Length of tangent from (a, 0) to the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	B. c C. 2g + 2f -c D. None