ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
2	Question Image	A. sec x tan x B. sec²x C. -sec x tan x D. -sec²x
3	Question Image	
4	Question Image	
5	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
6	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
7	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
8	The focus of the parabola $y^2=4ax$ is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
9	If a point lies inside a circle, then its distance from the center is:	A. Equal to the radius B. Less then the radius C. Greater then the radius D. Equal to or greater than the
10	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
11	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
12	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
13	Which one is an exponential function ?	
14	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D. -3x + 5y > 2
15	x = 4 is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
16	i.(j.k) =	A. Meaningless B. -1 C. 1 D. 2
17	Question Image	A. c B. 0 C. 1

		D. -c
18	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
19	Question Image	D. 2
20	There are _____ ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four