ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Let f(x) = x^2, then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
2	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
3	Question Image	
4	Question Image	C. 2 D. 1
5	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
6	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
7	Question Image	A. x = a B. for all x D. x = 0
8	Question Image	A. 90° B. 30° C. 60° D. 0°
9	The graph of linear equation of the form ax + by = c is a line, which divides the plane into _____ disjoint regions, where a, b and c are constants and a, b are not both zero.	A. One B. Two C. Thre D. None of these
10	The technique or method to find such a function whose derivative is given involves the inverse process of differentiation called:	A. Differentiation B. Integration C. Differential D. None of these
11	Question Image	A. Even B. Odd C. One-one D. Zero
12	Question Image	A. sin x B. -cos x C. -sin x D. cos x
13	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
14	Question Image	A. a B. 2b C. b D. 2a
15	Question Image	A. 0 B. 1 C. e D. Does not exist
16	The equ. of directrix of the parabola y^2 = -4ax is:	A. x = a B. x = - a C. y = a D. y = -a

17	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
18	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
19	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line C. Normal line D. None of these
20	For any point (x, y) and y - axis:	A. y = 0 B. y = -1 C. y = 1 D. x = 0