

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
3	If $(1, x)$ is the mid point of the line segment joining the points $(1, 2)$ & $(1, 6)$ then $x =$	A. 1 B. 2 C. 3 D. 4
4	Distance of the point $(-3, 7)$ from x-axis is:	A. 3 B. -3 C. 7 D. 10
5	Question Image	A. $f(x^{>2} + 1)$ B. $f(x)$ D. $f(x^{>2})$
6	Question Image	A. $90^\circ$ B. $30^\circ$ C. $60^\circ$ D. $0^\circ$
7	Question Image	A. Constant B. Implicit C. Identity D. Inverse
8	Question Image	A. 0 B. 1 C. 2 D. 3
9	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
10	Question Image	A. 0 B. 1 C. -1 D. 2
11	The ratio between the measure of the radial segment and the diameter of a circle is:	A. 2 : 1 B. 4 : 3 C. 1 : 2
12	In equation of circle, coefficient of each of $x^2$ and $y^2$ are:	A. Not equal B. Opposite in signs C. Equal D. None of these
13	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
14	The point of intersection of the medians of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
15	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
16	The point $(5, 8)$ lies the line $2x - 3y + 6 = 0$	A. Above B. Below

	the point (x, y) and the line y = 2x + 1	C. On D. None
17	Question Image	A. $e^{2x} \sin x + c$ B. $e^{2x} \cos x + c$ C. $-e^{2x} \sin x + c$ D. $-e^{2x} \cos x + c$
18	The two parts of a right circular cones are called:	A. Nappes B. Apex of the cone C. Generator D. Vertex
19	A line perpendicular to a radial chord of a circle at the end-point (which lies on the circle) is a:	A. Secant B. Diameter C. Chord D. Tangent
20	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x-axis B. y = c C. y-axis D. x = y