

## ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	Point of intersection of $x + y = 5 & x - y = 3$ is:	A. (5, 5) B. (4, 2) C. (4, 1) D. (1, 4)
2	Question Image	D. 2
3	The pair of lines of homogeneous second-degree equation $ax^2 + 2hxy + by^2 = 0$ are real and coincident, if:	A. h <sup>2</sup> < ab B. h <sup>2</sup> > ab C. h <sup>2</sup> = ab D. None of these
4	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
5	The distance of any point P $(x, y)$ from the origin $O(0, 0)$ is given by:	
6	The point of intersection of internal bisectors of the angles of a triangle is called:	A. Centroid B. Ortho-centers C. Circums-center D. In-center
7	If (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
8	Point of intersection of lines $x - 2y + 1 = 0$ and $2x - y + 2 = 0$ equals:	A. (1, 0) B. (0, 1) C. (-1, 0) D. (0, -1)
9	For any point (x, y) on x-axis:	A. y = 1 B. y = 0 C. y = -1 D. y = 2
10	Distance of the point (-3, 7) from x-axis is:	A. 3 B3 C. 7 D. 10
11	In the translation of axes which formula is true:	A. x = X + h B. X = x + h C. x + X = h D. None
12	y - ordinate of the centroid of triangle with vertices A(-2, 3) B(-4, 1), C(3, 2) is:	A. 3 B. 1 C. 2 D. 0
13	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2:3 B. 2:5 C. 1:2 D. 3:5
14	Angle between the lines $x + y + 1 = 0 & x - y + 4 = 0$ is:	A. 30° B. 45° C. 60° D. 90°
15	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
16	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
17	The vertical line y'oy is called:	A. x-axis B. y-axis C. abscissa

		D. Ordinate
18	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
19	The point of intersection of the altitudes of a triangle is called:	A. Centroid
		B. Ortho-center
		C. Circums-center
		D. In-center
20	Question Image	A. 0
		B. 2
		C. 1
		D1