

## ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The vertical line $y'oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
2	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
3	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
4	The symbol $\perp$ is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
5	The ratio in which x-axis divides the line segment joining the points:	A. 1 : 1 B. 1 : 3 C. 1 : 5 D. 1 : 2
6	The line $l$ is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
7	<div style="border: 1px solid black; padding: 2px; width: fit-content;">Question Image</div>	A. 0 B. 2 C. 1 D. -1
8	Angle between the lines $x + y + 1 = 0$ & $x - y + 4 = 0$ is:	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$
9	A linear equation in two variables represents:	A. Circle B. Ellipse C. Hyberbola D. Straight line
10	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)
11	<div style="border: 1px solid black; padding: 2px; width: fit-content;">Question Image</div>	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
12	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
13	Equation of a line parallel to x-axis:	A. $x = 0$ B. $x = y$ C. $y = a$ D. $x = a$
14	For any point (x, y) on x-axis:	A. $y = 1$ B. $y = 0$ C. $y = -1$ D. $y = 2$
15	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$

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16	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
17	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
18	If the inclination of the line l lies between $]0^\circ, 90^\circ[$ , then the slope of l is:	A. Positive B. Negative C. Undefined D. None of these
19	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
20	Distance of the point (-3, 7) from x-axis is:	A. 3 B. -3 C. 7 D. 10

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