

## ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The distance between two points $P_1(x_1, y_1)$ and $P_2(x_2, y_2)$ on the co-ordinate plane is given by:	
2	The line $l$ is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
3	$y = -2$ is a line:	A. Parallel to x-axis B. Parallel to y-axis C. Perpendicular to x-axis D. None of these
4	If $a = 0$ , then the line $ax + by + c = 0$ is parallel to:	A. y - axis B. x - axis C. along y - axis D. None of these
5	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
6	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
7	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
8	For any point $(x, y)$ and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
9	<div style="border: 1px solid #ccc; 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)
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	The equation to the straight line which passes through the point $(2, 9)$ and makes an angle of $45^\circ$ with x-axis is:	A. $x + y + 7 = 0$ B. $x - y + 7 = 0$ C. $y - x + 7 = 0$ D. None of these
12	The horizontal line $x' ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
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	The line $x = a$ is on the right of y - axis if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
15	<div style="border: 1px solid #ccc; 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)
16	Equation of a line parallel to x-axis:	A. $x = 0$ B. $x = y$ C. $y = a$

		D. $x = a$
17	The equation of a straight line which parallel to the line $3x - 2y + 5 = 0$ and passes through $(2, -1)$ is:	A. $3x + 2y - 8 = 0$ B. $3x - 2y + 8 = 0$ C. $3x - 2y - 8 = 0$ D. $3x + 2y + 8 = 0$
18	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
19		A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
20	The distance between the points $(1, 2), (2, 1)$ .	A. 1 D. 2