

ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
2	<div style="border: 1px solid #ccc; padding: 2px; width: fit-content;">Question Image</div>	A. 4 B. 2 C. 1
3	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. $3x + 2y + 8 = 0$
4	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
5	<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. Inclined D. Both (a) and (b)
6	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
7	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
8	$x = 4$ is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
9	The equation to the straight line which passes through the point $(2, 9)$ and makes an angle of 45° with x-axis is:	A. $x + y + 7 = 0$ B. $x - y + 7 = 0$ C. $y - x + 7 = 0$ D. None of these
10	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points
11	If the line l is parallel to y-axis, then the slope of l is -----.	A. 0 B. 1 C. -1 D. undefined
12	The ratio in which the line segments joining $(2, 3)$ and $(4, 1)$ is divided by the line joining $(1, 3)$ and $(4, 3)$ is:	A. 2 : 1 B. 3 : 1 C. 1 : 2 D. 1 : 1
13	If the inclination of a line lies between $]90^\circ, 180^\circ[$, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
14	The centroid of the triangle whose vertices are $(3, -5)$, $(-7, 4)$ and $(10, -2)$ is:	A. $(-2, -2)$ B. $(-2, 2)$ C. $(2, -1)$ D. $(0, 0)$
15	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB , then their ratio is negative and P is said to divide AB :	A. Internally B. May divide C. Externally D. None of these

16	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
17	The line $x = a$ is on the right of y - axis if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
18	If the directed distances AP and PB have same signs, then their ratio is positive and P is said to divide AB :	A. Internally B. May be divide C. Externally D. None of these
19	If a straight line is perpendicular to x -axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
20	Distance of the point $(-3, 7)$ from x -axis is:	A. 3 B. -3 C. 7 D. 10