

ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The symbol $ $ is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
2	$y = 2x + 3$ is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
3	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:	
4	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
5	Joint equation of $y + 2x = 0$, $y - 3x = 0$ is:	A. $(y+2x)(y-3x) = 0$ B. $(y-2x)(y-3x) = 0$ C. $(y+2x)(y+3x) = 0$ D. $(y-2x)(y+3x) = 0$
6	The centroid of a triangle is a point that divides each median in the ratio:	A. 2 : 1 B. 2 : 3 C. 1 : 3 D. 4 : 3
7	Equation of the line parallel to $x + 3y - 9 = 0$ is:	A. $3x - y - 9 = 0$ B. $3x + 9y + 7 = 0$ C. $2x - 6y - 18 = 0$ D. $x - 3y + 9 = 0$
8	$x = c$ is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
9	If (x, y) are the coordinates of a point, then the first component of the ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate axes D. None of these
10	<div style="border: 1px solid black; width: 100%; height: 20px; display: flex; align-items: center; justify-content: center;"> 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)
11	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
12	The perpendicular distance of the line $3x + 4y + 10 = 0$ from the origin is:	A. 0 B. 1 C. 2 D. 3
13	$x = 4$ is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
14	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
15	The point $(2, 5)$ lies the lie $3x - y + 1 = 0$	A. Above B. Below C. On D. None
16	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined

- 17 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
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- 18 The coordinate axes divide the plane into----- equal parts:
- A. 1
B. 2
C. 3
D. 4
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- 19 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
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- 20 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