

## ICS Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	$y = mx + c$ is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
3	The symbol $\parallel$ is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
4	$y$ - 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
5	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined
6	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
8	The vertical line $y'o'y$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
9	The pair of lines of homogeneous second-degree equation $ax^2 + 2hxy + by^2 = 0$ are real and coincident, if:	A. $h^2 < ab$ B. $h^2 > ab$ C. $h^2 = ab$ D. None of these
10	The point of intersection of the altitudes of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
11	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
12	$ax + by + c = 0$ has matrix form as:	B. $ ax + by  =  -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
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 ratio in which x-axis divides the line segment joining the points:	A. 1 : 1 B. 1 : 3 C. 1 : 5 D. 1 : 2
16	The distance of any point P (x, y) from the origin O(0 , 0) is given by:	
17	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. -2

D. Undefined

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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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Distance of the point (-2, 3) from y-axis is:

- A. -2
- B. 2
- C. 3
- D. 1

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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