

## FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The line $l$ is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
2	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
3	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
4	For any point $(x, y)$ on $x$ -axis:	A. $y = 1$ B. $y = 0$ C. $y = -1$ D. $y = 2$
5	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points
6	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
7	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
8	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
9	Distance of the point $(-2, 3)$ from $y$ -axis is:	A. -2 B. 2 C. 3 D. 1
10	$X$ -co-ordinate of centroid of triangle $ABC$ with $A(-2, 3)$ ; $B(-4, 1)$ ; $C(3, 5)$ equals:	A. -1 B. 1 C. 3 D. -3
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	<div style="border: 1px solid black; padding: 2px; width: fit-content;">Question Image</div>	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
13	If the line $l$ is parallel to $y$ -axis, then the slope of $l$ is -----.	A. 0 B. 1 C. -1 D. undefined
14	<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)
15	<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)

16	$ax + by + c = 0$ has matrix form as:	B. $ ax + by  =  -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
17	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
18	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined
19	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
20	The point (2, 5) lies the lie $3x - y + 1 = 0$	A. Above B. Below C. On D. None