

FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	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
2	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
3	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
4	If the lien I is parallel to y-axis, then the slope of I is	A. 0 B. 1 C1 D. undefined
5	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
6	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
7	Point of intersection of $x + y = 5 & x - y = 3$ is:	A. (5, 5) B. (4, 2) C. (4, 1) D. (1, 4)
8	The point of intersection of the altitudes of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
9	If the inclination of a line lies between]90°, 180°[, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
10	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
11	The coordinate axes divide the plane into equal parts:	A. 1 B. 2 C. 3 D. 4
12	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
13	Equation of a line parallel to x-axis:	A. x = 0 B. x = y C. y = a D. x = a
14	If in the case of translation of axes, O (-3, 2), $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11) D. (3, 7)
15	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points
		<u>A</u> . 0

16	y-coordinate of any point on X-axis:	B. x C. y D. 1
17	The point of intersection of the medians of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
18	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
19	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
20	A quadrilateral having two parallels and two non-parallel sides is called:	A. Trapezium B. Rectangle C. Rhombus D. None of these