

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	The point of intersection of the altitudes of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
2	The function $f(x) = 3x^2$ has minimum value at :	A. $x = 3$ B. $x = 2$ C. $x = 1$ D. $x = 0$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
5	The axis of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 3 D. 1
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4 B. 2 C. 1
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	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)
12	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
13	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 < 0$ C. $-2x + 3 > 0$ D. $x + 3 < 0$
14	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
15	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
16	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
17	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function

18	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. $x^2 + y^2 = a^2$ B. $x^2 + y^2 = r^2$ C. $x^2 - y^2 = a^2$ D. $x^2 - y^2 = r^2$
19	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
20	Which of the following is not a vector quantity ?	A. Weight B. Mass C. Force D. Velocity