

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. $-\operatorname{cosec} x \cot x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec}^2 x$ D. $\operatorname{cosec} x \cot x$
2	The point of intersection of the altitudes of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
3	$ax + by + c = 0$ has matrix form as:	B. $ ax + by  =  -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
4	The point where the axis meets the parabola is called _____ of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
5	Question Image	A. $\sin x$ B. $-\cos x$ C. $-\sin x$ D. $\cos x$
6	Question Image	A. domain B. range C. lower limit D. upper limit
7	The cross product or vector product of two vectors is defined:	A. Only in plane B. Only in space C. Both a and b D. None of these
8	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
9	The set of all points in the plane that are equally distant from a fixed point is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
10	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
11	Question Image	A. Line B. Parabola C. Ellipse D. Hyperbola
12	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1
13	If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:	A. Parabola B. Circular cone C. Ellipse D. Circle
14	The inequality $x < a$ is the open half plane to the _____ of the boundary line $x = a$ :	A. Above B. Left C. Below D. Right
15	In equation of circle, coefficient of each of $x^2$ and $y^2$ are:	A. Not equal B. Opposite in signs C. Equal D. None of these

16	The law of parallelogram of addition was used by Aristotle to describe the combined action of :	A. One force B. Two forces C. Three forces D. Four forces
17	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
18	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
19	The conic is a parabola, if:	A. $e = 1$ B. $e > 1$ C. $0 < e < 1$ D. $e = 0$
20	Question Image	A. 0 B. 1 C. e D. Does not exist