

ICS Part 2 Mathematics Full Book 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	Question Image	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
3	If (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
4	The ratio between the measure of the radial segment and the diameter of a circle is:	A. 2 : 1 B. 4 : 3 C. 1 : 2
5	If $y = f(x)$, then the variable x is called ----- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
6	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
7	Question Image	A. $-\csc^2 x$ B. $\csc^2 x$ C. $-\csc x \cot x$ D. $\csc x \cot x$
8	The graph of the parabola $x^2 = -4ay$ lies in quadrants:	A. I and II B. III and IV C. II and III D. I and III
9	The opening of the parabola $x^2 = 16y$ is to _____ of the x-axis:	A. Left B. Upward C. Right D. Downward
10	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then $dy =$ _____	A. 0.1204 B. .12 C. .02 D. 1.2
11	Question Image	
12	Two vectors are equal if they:	A. Pass through the same point B. Are parallel to each other C. Are parallel to each other and have same direction D. Have equal magnitude and have same direction
13	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
14	Question Image	
15	Question Image	A. e^{ax} B. $f(x)$ C. $e^{ax} f(x)$ D. $e^{ax + f(x)}$
16	A chord passing through the focus of a parabola is called a _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord

17	If the directed distances AP and PB have same signs, then their ratio is positive and P is said to divide AB:	A. Internally B. May be divide C. Externally D. None of these
18	Question Image	
19	A line that touches the curve without cutting through it is called:	A. Straight line B. Tangent line C. Normal line D. Vertical line
20	Question Image	A. a B. 2b C. b D. 2a