

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The line $x = a$ is on the right of $y$ - axis if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	C. 0 D. 1
4	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
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. x - axis B. z - axis C. y - axis D. None of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. c B. 0 C. 1 D. -c
7	Which one is not an exponential function ?	
8	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
9	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
10	The point where the axis meets the parabola is called _____ of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$
12	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
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
14	$x = 2$ is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
15	Infinite number of lines can pass through:	A. One point B. Two points C. Three points D. Four points
16	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
17	If the equation of the parabola is $y^2 = 4ax$ , then opening of the parabola is to the right of the:	A. x-axis B. y = x C. y-axis

D.  $x + y = 0$

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Question Image

- A.  $\operatorname{cosech} x \coth x$
- B.  $-\operatorname{cosech}^2 x$
- C.  $-\operatorname{cosech} x \coth x$
- D.  $\operatorname{cosech}^2 x$

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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

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Question Image

- A. Ellipse
- B. Parabola
- C. Hyperbola
- D. Circle