

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	$\cosh^2 x + \sinh^2 x =$	A. $\cosh x ²$ B. $\cosh 2x$ C. $\sinh 2x$ D. $\tanh 2x$
2	$y = mx + c$ is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
3	Question Image	
4	Question Image	A. 0 B. -1 C. 1 D. 2
5	Question Image	
6	Question Image	A. 1 (1 - 4) B. $2x - 3$ C. $x - 3$ D. $x ³ - 3x$
7	$y - y_1 = m (x - x_1)$ is the equation of straight line in:	A. Slope-intercept from B. Point-slope from C. Normal form D. Intercepts form
8	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
9	Area between x-axis and the curve:	A. 32 D. 16
10	The centroid of a triangle is a point that divides each median in the ratio:	A. 2 : 1 B. 2 : 3 C. 1 : 3 D. 4 : 3
11	Question Image	
12	Question Image	A. 4 B. Does not exist
13	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
14	Angle between the lines $x + y + 1 = 0$ & $x - y + 4 = 0$ is:	A. 30° B. 45° C. 60° D. 90°
15	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB, then their ratio is negative and P is said to divide AB:	A. Internally B. May divide C. Externally D. None of these
16	Question Image	A. 2 - 7 B. 2 + 7
17	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
18	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

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The axis of the parabola $x^2 = 4ay$ is:

- A. $x = 0$
- B. $x = -a$
- C. $y = 0$
- D. $y = -a$

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Question Image