

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If $s$ is the distance traveled by a body at time $t$ , the velocity is given by the expression:	
2	<a href="#">Question Image</a>	
3	<a href="#">Question Image</a>	A. $\ln  \sec x + \tan x  + c$ B. $\ln  \operatorname{cosec} x - \cot x  + c$ C. $\ln  \sec x - \tan x  + c$ D. $\ln  \operatorname{cosec} x + \cot x  + c$
4	<a href="#">Question Image</a>	A. $\cot x$ B. $-\cot x$ C. $\operatorname{cosec} x \cot x$ D. $-\operatorname{cosec} x \cot x$
5	$ax + by + c = 0$ has matrix form as:	B. $ ax + by  =  -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
6	<a href="#">Question Image</a>	B. 0 C. 4 D. 7
7	A line which divides a plane into two parts is called:	A. Boundary point B. <b>Boundary line</b> C. Feasible line D. None
8	Let $f(x) = \cos x$ , then $f(x)$ is an:	A. <b>Even function</b> B. Odd function C. Power function D. None of these
9	The horizontal line $x'ox$ is called:	A. <b>x-axis</b> B. y-axis C. abscissa D. ordinate
10	<a href="#">Question Image</a>	A. $2\cosh x$ B. $2\sinh x$ C. <b><math>2\sinh (2x)</math></b> D. $-2\sinh (2x)$
11	<a href="#">Question Image</a>	A. $4a$ B. <b><math>2a</math></b> C. $4b$ D. $2b$
12	The distance of any point $P(x, y)$ from the origin $O(0, 0)$ is given by:	
13	A quadrilateral having two parallels and two non-parallel sides is called:	A. <b>Trapezium</b> B. Rectangle C. Rhombus D. None of these
14	<a href="#">Question Image</a>	A. Constant B. Implicit C. <b>Explicit</b> D. Inverse
15	<a href="#">Question Image</a>	A. Continuous at $x = 1$ B. <b>Not continuous at <math>x = 1</math></b> C. Both a and b D. none
16	<a href="#">Question Image</a>	A. 0 B. <b>2</b> C. 1 D. 3
17	Which one is not an exponential function ?	
18	A chord containing the center of the circle is called _____ of the circle:	A. <b>Diameter</b> B. Chord C. Radius

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Question Image

D. None of these

- A. a cosec (ax + b)
- D. cot (ax + b)

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Question Image

- A. Derivative
- B. Differential
- C. Integral
- D. None of these