

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. $5 \sin x$ B. $\cosh (5x)$ <b>C. <math>5 \cosh (5x)</math></b> D. $-5 \cosh (5x)$
3	Question Image	<b>A. <math>x = 0</math></b> B. $y = -a$ C. $y = 0$ D. $y = -a$
4	The point of intersection of internal bisectors of the angles of a triangle is called:	A. Centroid B. Ortho-centers C. Circums-center <b>D. In-center</b>
5	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line <b>C. Normal line</b> D. None of these
6	Question Image	<b>A. <math>a</math></b> B. $2b$ C. $b$ D. $2a$
7	Question Image	A. At B. Not on <b>C. On</b> D. None of these
8	Two arcs of two different circles are congruent if:	A. The circles are congruent B. The corresponding central angles are congruent <b>C. Both a and b</b> D. None of the above
9	Question Image	A. $2\cosh x$ B. $2\sinh x$ <b>C. <math>2\sinh (2x)</math></b> D. $-2\sinh (2x)$
10	Question Image	A. Scalar B. Free vector C. Unit vector <b>D. Null vector</b>
11	A function, in which the variable appears as exponent (power), is called a / an ----- function.	A. Constant B. Explicit <b>C. Exponential</b> D. Inverse
12	Question Image	
13	Question Image	A. $x$ with respect to $y$ B. $y$ with respect to $y$ <b>C. <math>y</math> with respect to <math>x</math></b> D. $x$ with respect to $x$
14	The symbol $  $ is used for:	<b>A. Parallel lines</b> B. Perpendicular lines C. Non-parallel lines D. None of these
15	If $s$ is the distance traveled by a body at time $t$ , the velocity is given by the expression:	
16	Question Image	A. $\operatorname{cosech} x \coth x$ <b>B. <math>-\operatorname{cosech} x^2</math></b> C. $-\operatorname{cosech} x \coth x$ D. $\operatorname{cosech} x^2$
17	Question Image	<b>A. <math>x = a</math></b> B. for all $x$ D. $y = 0$

18 Question Image

- A.  $f(x)$
- B.  $\ln |f(x)|$**
- C.  $f'(x)$
- D.  $\ln |f'(x)|$

19 Question Image

- A. Even**
- B. Odd
- C. One-one
- D. Zero

20 Question Image