ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. sin x B. cos x C. sinh x D. cosh x
2	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
3	$\text{Cosh}^2 x + \text{Sinh}^2 x =$	A. Cosh x^2 B. Cosh 2x C. Sinh 2x D. Tanh 2x
4	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
5	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. $x^3 - 3x$
6	If y = (x), then the variable x is called --------- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
7	The region of the graph ax + by > c is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
8	A unit vector is defined as a vector whose magnitude is:	A. 0 B. 2 C. 1 D. 4
9	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line C. Normal line D. None of these
10	The point (5, 8) lies the line 2x - 3y + 6 = 0	A. Above B. Below C. On D. None
11	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
12	Question Image	A. 0 B. 2 C. 1 D. 3
13	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a
14	$i.(j.k) =$	A. Meaningless B. -1 C. 1 D. 2
15	The derivative of x with respect to y is given by:	
16	Question Image	A. 1 B. 0

17	x = 4 is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
18	y - y1 = m (x - x1) is the equation of straight line in:	A. Slope-intercept from B. Point-slope from C. Normal form D. Intercepts form
19	Question Image	
20	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord