

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. $\tan x$ B. $\cot x$ C. $-\tan x$ D. $-\cot x$
2	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. $(-3, 2)$ B. $(3, -2)$ C. $(3, 2)$ D. $(-3, -2)$
3	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
4	A function $P(x) = 6x^4 + 7x^3 + 5x + 1$ is called a polynomial function of degree ----- with leading coefficient -----.	A. 4, 6 B. 2, 7 C. 2, 3 D. 2, 5
5	The function $y = \ln x$ is a/an ----- function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic
6	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.	A. First B. Third C. Second D. Fourth
7	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
8	Area between x-axis and the curve:	A. 32 D. 16
9	Question Image	A. 0 B. 2 C. 1 D. 3
10	Point (5, 6) lies the circle $x^2 + y^2 = 81$:	A. Outside B. Inside C. On D. None of these
11	The condition for the line $y = mx + c$ to be a tangent to the circle $x^2 + y^2 = a^2$ is $c =$ _____:	
12	Question Image	A. 4 B. 2 C. 1
13	Question Image	
14	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
15	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ _____ the circle:	A. Inside B. On C. Outside D. None of these
16	If the radius of a circle is zero, then the circle is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
17	In the case of rotation of axes which formula is true:	
18	Question Image	

18 Question Image

19 Question Image

20 Question Image

- A. Integration
- B. Integrand
- C. Constant of integration
- D. None of these