


ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. -1 C. 1 D. 2
2	The opening of the parabola $y^2 = 4ax$ is to the _____ of the:	A. Left B. Upward C. Right D. Downward
3	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
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	Question Image	A. $\tan x$ B. $\cot x$ C. $-\tan x$ D. $-\cot x$
6	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
7	If the inclination of the line l lies between $]0^\circ, 90^\circ[$, then the slope of l is:	A. Positive B. Negative C. Undefined D. None of these
8	$(1, 0)$ is the solution of inequality :	A. $7x + 2y \leq 8$ B. $x - 3y \leq 0$ C. $3x + 5y \geq 6$ D. $-3x + 5y \geq 2$
9	Question Image	
10	Question Image	A. 1 B. 2 C. 3 D. 0
11	Question Image	A. $e^{-x} \sin x + c$ B. $-e^{-x} \sin x + c$ C. $e^{-x} \cos x + c$ D. $-e^{-x} \sin x + c$
12	Question Image	A. 36 B. 42 C. 48 D. 12
13	Question Image	
14	Question Image	A. 1 B. 0
15	The radius of point circle is:	A. 0 B. $(0, 0)$ C. r D. 1
16	Question Image	A. $e^{ax} \sin x$ B. $f(x)$ C. $e^{ax} f(x)$ D. $e^{ax} + f(x)$
17	Question Image	A. Constant B. Implicit C. Explicit

C. Exponential
D. Inverse

18 A chord containing the center of the circle is called _____ of the circle:

- A. Diameter
B. Chord
C. Radius
D. None of these

19 

- A. $\tan x + c$
B. $-\tan x + c$
C. $\sec x + c$
D. $-\sec x + c$

20 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