

Business Mathematics Icom Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Solution set of $4x - 7y = 12$ and $3x + y = 9$ is	A. (0,3) B. (1,3) C. (6,3) D. (3,0)
2	$Aa^x + Ba^{-x} = C$ is a standard form of	A. Exponential equation B. Linear equation C. Quadratic equation D. Reciprocal equation
3	The solution set of equation $x^2 + 2x + 1 = 0$ is	A. {1} B. {-1} C. {1, -1} D. None of these
4	Solution set of equations $4x + 5y = 40$ and $3x + 2y = 23$ is:	A. { (4,5) } B. { (5, 4) } C. { (-5, 4) } D. { -4, -5 }
5	90.5% in common fraction:	A. 0.9 B. 10/9 C. 9/10 D. 181/200
6	A linear equation always has:	A. Three roots B. Two roots C. One root D. No root
7	Both sides of an equation are joined by	A. > B. < C. = D. ≠
8	The sign of every equation is:	A. ≠ B. = C. > D. <
9	The roots of quadratic equation will be imaginary if $b^2 - 4ac$ is	A. 0 B. -ve C. +ve D. Greater than zero
10	If $3^{2x} + a = 10 \cdot 3^x$ in transformed from is $y^2 + 9 = 10y$, then the transformation is:	A. $3^{2x} = y$ B. $3^x = y$ C. $\frac{1}{3}x = y$ D. None of these
11	Factorization is one of the method use to solve:	A. $ax + b = 0$ B. $ax^2 + bx + c = 0$ C. $ax^3 + bx + c = 0$ D. None of these
12	Equation of the form $ax^4 + bx^3 + bx + a$ is:	A. Polynomial B. Reciprocal C. Irrational D. None of these
13	$5x - 2 = 10$ is a	A. Open sentence B. Right sentence C. False sentence D. Equation
14	The power of variable in a quadratic equation is	A. 3 B. 1 C. 4 D. 2

15	The solution set for a quadratic equation $x^2 - 8x + 15$ is	A. (3, 5) B. (-3, -5) C. (3, -5) D. (-5, 3)
16	In quadratic equation the variable has degree:	A. 1 B. 2 C. More than 2 D. Less than 2
17	$B^2 - 4ac$ in a quadratic formula is called	A. Nature of root B. Discriminant C. Solution set D. Extraneous root
18	Two consecutive odd integers are:	A. x and $(x + 2)$ B. $(x + 1)$ and $(x + 3)$ C. $2x$, $(2x + 2)$ D. $(2x + 1)$ and $(2x + 3)$
19	Simultaneous equations can be solved in ways.	A. 2 B. 3 C. 4 D. 5
20	A set of simultaneous equation is called set of inconsistent equation if:	A. Value of one of the unknown obtained B. Value of one of the unknown obtained C. Values of all the unknown obtained D. None of these