Business Mathematics Icom Part 1 Online Test

Sr	Questions	Answers Choice
1	If $3^{2x} + a = 10\ 3^{x}$ in transformed from is $y^2 + 9 = 10y$, then the transformation is:	A. 3^{2x} = y B. 3^x = y C. 1/3^x = y D. None of these
2	In decimal system base of system is:	A. 2 B. 5 C. 8 D. 10
3	We cannot find the inverse of a:	A. Square matrix B. Diagonal matrix C. Triangular matrix D. Singular matrix
4	If matrix contains single column and 3 rows then this type of matrix is called.	A. Row matrix B. Column matrix C. Null matrix D. Identity matrix
5	$(100011)_2 \times (1101)_2$ = ----------	A. (111000111)₂ B. (100011001)₂ C. (100000001) D. (110011001)₂
6	Question Image	
7	In decimal $(101)_2 + (11)_2$ is equal to:	A. 2 B. 4 C. 8 D. None of these
8	Annuity is classified into:	A. Two classes B. Three classes C. Four classes D. Five classes
9	Amount of annuity is always:	A. Present value B. Current Value C. Both a and b D. Future value
10	f(x)=2x + 1 is a form of	A. Linear function B. Quadratic function C. Odd function D. Even function
11	If A is matrix of order m x n then to get AB, the matrix be must be of order.	A. m x m B. p x p C. m x p D. n x p
12	29 in binary number system is	A. (110101)₂ B. (10101011)₂ C. (1011101) D. (11101)₂
13	$(10110)_2$ in decimal number is:	A. 20 B. 22 C. 24 D. 26
14	3.25 is a ratio of:	A. 3 and 25 B. 32.5 and 10 C. 325 and 100 D. 13 and 4
15	Lowest term of 60:360 is	A. 6:1 B. 1:6 C. 6:36 D. 5:36
16	A square matrix A is said to be singular if.	A. |A| = 0 B. |A| ≠ 0 C. |A| = 1

		D. |A| ≠ 1
17	A square matrix whose elements below the main diagonal are all zero is called.	A. Upper triangular matrix B. Lower triangular matrix C. Rectangular D. Row matrix
18	According to text (C-S)>0 is:	A. Loss B. Profit C. Mark-up D. Mark-down
19	The origin is:	A. (0,x) B. (y,0) C. (0,0) D. (x,y)
20	The solution set of equation $x^2 + 2x + 1 = 0$ is	A. {1} B. {-1} C. {1, -1} D. None of these