11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	If $4^x = 2$, then x equals:	A. 2 B. 1
2	Which one is exponential equation:	A. ax² + bx + c = 0 B. ax + b = 0 D. 2^x = 16
3	Which one is radical equation:	A. ax² + bx + c B. ax + b = 0 D. 2^x = 16
4	Question Image	A. c = 0 B. b = 0, c = 0
5	Solution set of the equation $x^2 - 3x + 2 = 0$ is	A. {-1, 2} B. {1, -2} C. {-1, -2} D. {1, 2}
6	The other name of quadratic equation is:	A. linear equation B. 1st degree equation C. 2nd degree equation D. none
7	No. of ways of solving a quadratic equation:	A. 1 B. 3 C. 2 D. 4
8	The trivial solution of the homogeneous linear equations is:	A. (1, 0, 0) B. (0, 1, 0) C. (0, 0, 1) D. (0, 0, 0)
9	If a matrix A is symmetric as well as skew symmetric, then:	A. A is null matrix B. A is unit matrix C. A is triangular matrix D. A is diagonal matrix
10	Question Image	A. scalar matrix B. diagonalmatrix C. triangularmatrix D. none of these
11	Question Image	A. scalarmatrix B. diagonalmatrix C. lower triangularmatrix D. uppertriangularmatrix
12	Question Image	A. scalar matrix B. diagonalmatrix C. lower triangularmatrix D. upper triangularmatrix
13	If A is a square matrix, then:	A. |A^t| = A B. |A^t| = -A C. |A^t| = |A| D. A^t= A
14	If any two rows of a square matrix are interchanged, the determinant of the resulting matrix:	A. is zero B. is multiplicative inverse of the determinant of the original matrix C. is additive inverse of the determinant the original matrix D. none of these
15	If each element in any row or each element in any column of a square matrix is zero, then value of the determinant is:	A. 0 B. 1 C. -1 D. none of these
16	Question Image	A. 9 B. -9 C. -6

		D. none
17	Question Image	A. 3 B. -3 C. 1/3 D. -1/3
18	If two rows (or two columns) in a square matrix are identical (i.e. corresponding elements are equal), the value of the determinant is:	A. 0 B. 1 C. -1 D. ±1
19	Question Image	A. 5 B. 14 C. 20 D. 6
20	Question Image	A. 2 B. -2 C. 5 D. -5