

11th Class ICS Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	B. diagonal matrix
2	If A is a square matrix, then:	A. $ A^{^t} = A$ B. $ A^{^t} = -A$ C. $ A^{^t} = A $ D. $A^{^t} = A$
3	Question Image	
4	Question Image	A. 3×1 B. 1×3 C. 3×3 D. 1×1
5	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)
6	If A is a square matrix order 3×3 the $ kA $ equals:	A. $k A $ B. $k^{²} A $ C. $k^{³} A $ D. $k^{⁴} A $
7	Question Image	A. 9 B. -9 C. -6 D. none
8	If A is a square matrix, then $A - A^t$ is:	
9	Question Image	A. scalar matrix B. diagonal matrix C. lower triangular matrix D. upper triangular matrix
10	Minors and co-factors of the elements in a determinant are equal in magnitude but they may differ in:	A. order B. position C. sign D. symmetry

11		B. -5 C. -1 D. none
12		A. 1 B. -1 C. -6 D. 6
13	If $AB = BA = I$, then A and B are:	A. equal to each other B. multiplicative inverse of each other C. additive inverse of each other D. both singular
14	For a square matrix A, $ A $ equals:	A. $A^{\sup>t\sup>}$ B. $ A^{\sup>t\sup>} $ C. $- A^{\sup>t\sup>} $ D. $-A^{\sup>t\sup>}$
15		A. singular B. non-singular C. rectangular D. null
16		
17		D. diagonal matrix
18	A matrix of order $m \times 1$ is called:	A. row matrix B. column matrix C. identity matrix D. scalar matrix
19		A. 3 B. -3 C. $1/3$ D. $-1/3$
20		A. scalar matrix B. diagonal matrix C. triangular matrix D. none of these