

11th Class FSC Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	If A is non singular matrix then A^t is:	A. singular B. nonsingular C. symmetric D. none
2	Question Image	A. zero B. non-singular C. singular D. none of these
3	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
4	For a square matrix A, $ A $ equals:	A. $A^{t/sup}$ B. $ A^{t/sup} $ C. $- A^{t/sup} $ D. $-A^{t/sup}$
5	If A is a matrix of order $m \times n$, then the number of elements in each row of A is:	A. m B. n C. $m + n$ D. $m - n$
6	Question Image	D. diagonal matrix
7	A matrix in which each element is 0 is called:	
8	If A is a square matrix, then $A + A^t$ is:	
9	If $A = [a_{ij}]$ and $B = [b_{ij}]$ are two matrices of same order $r \times s$, then order of $A - B$ is:	A. $r - s$ B. $r \times s$ C. $r + s$ D. none of these
10	Question Image	A. singular B. non-singular C. rectangular D. null
11	If A is a square matrix order 3×3 the $ kA $ equals:	A. $k A $ B. $k^{2/sup} A $ C. $k^{3/sup} A $ D. $k^{4/sup} A $
12	Question Image	A. 5 B. 14 C. 20 D. 6
13	If A is a square matrix, then:	A. $ A^{t/sup} = A$ B. $ A^{t/sup} = -A$ C. $ A^{t/sup} = A $ D. $A^{t/sup} = A$
14	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)
15	If A and B are two matrices, then:	A. $AB = O$ B. $AB = BA$ C. $AB = I$ D. AB may not be defined
16	If the matrices A & B have the orders 2×3 and 5×2 then order BA is:	A. 3×5 B. 5×2 C. 2×2 D. none
17	Question Image	A. 3 B. -3 C. $1/3$ D. $-1/3$

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Question Image

- A. scalar matrix
- B. diagonal matrix
- C. lower triangular matrix
- D. upper triangular matrix

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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 of the original matrix
- D. none of these

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Question Image

- A. 3×2
- B. 2×3
- C. 2×2
- D. 3×3