

11th Class FA Mathematics Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. scalar matrix B. diagonal matrix C. lower triangular matrix D. upper triangular matrix
2	Question Image	D. diagonal matrix
3	A matrix of order $m \times 1$ is called:	A. row matrix B. column matrix C. identity matrix D. scalar matrix
4	Question Image	A. 2 B. -2 C. 5 D. -5
5	Question Image	A. scalar matrix B. diagonal matrix C. triangular matrix D. none of these
6	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
7	Question Image	
8	Question Image	D. diagonal matrix
9	If A is a square matrix, then:	A. $ A^t = A $ B. $ A^t = - A $ C. $ A^t = A $ D. $A^t = A$
10	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
11	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
12	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. $m - n$
13	Question Image	A. 1 B. -5 C. -1 D. none
14	Question Image	A. 3×3 B. 3×2 C. 2×1 D. 2×3
15	If A is a matrix of order $m \times n$ and B is a matrix of order $n \times p$ then the order of AB is:	A. $p \times m$ B. $p \times n$ C. $n \times p$ D. $m \times p$
16	Question Image	
17	Question Image	D. None
18	Question Image	A. equal to each other B. multiplicative inverse of each other

18 If $AB = BA = I$, then A and B are:

- C. additive inverse of each other
- D. both singular

19 For a square matrix A, $|A|$ equals:

- A. $A^{t/sup}$
- B. $|A^{t/sup}|$
- C. $-|A^{t/sup}|$
- D. $-A^{t/sup}$

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