

11th Class FA Mathematics Chapter 3 Online Test

Sr	Questions	Answers Choice
1	A matrix in which each element is 0 is called:	
2	Question Image	
3	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×m B. p×n C. n×p D. m×p
4	If A and B are two matrices, then:	A. A B = O B. AB = BA C. AB = I D. AB may not be defined
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	A ⁻¹ exists if A is:	A. singular B. nonsingular C. symmetric D. none
7	Question Image	A. 5 B. 14 C. 20 D. 6
8	Question Image	A. 1 B5 C1 D. none
9	Question Image	
10	If A is a square matrix, then A - A ^t is:	
11	For a square matrix A, A equals:	A. A ^t B. A ^t C A ^t DA ^t
12	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
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	Question Image	A. 2 B2 C. 5 D5
15	If A is a square matrix, then:	A. A ^t = A B. A ^t = -A C. A ^t = A D. A ^t = A
16	If A is non singular matrix then A^{t} is:	A. singular B. nonsingular C. symmetric D. none
17	Question Image	A. scalar matrix B. diagonalmatrix C. lower triangularmatrix D. upper triangularmatrix

18	Question Image	A. 25 B. 20 C. 40
		D. 2a + 2b + 2c
9	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
20	Question Image	D. None