

ECAT Mathematics Chapter 5 Matrices and Detarminants

Sr	Questions	Answers Choice
1	Question Image	
2	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1
3	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
4	Matrices are represented by	A. Natural numbers B. Real numbers C. Small letters D. Capital letters
5	Question Image	
6	If A and B are skew-symmetric then (AB)t is	A. At Bt B. AB CAB D. BA
7	The additive inverse of a matrix A is	D. None of these
8	Question Image	
9	Question Image	A. Symmetric B. Skew-symmetric C. Hermitian D. Skew hermitian
10	The transpose of a zero matrix is a	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
11	Matrices A = [aij] 2 x 3 and B = [bij] 3 x 2 are suitable for	A. BA B. A2 C. AB D. B2
		A. 0 B. 1
12	Question Image	C. 2
13	If the matrices A and B are conformable for multiplication then (AB) ^t =	D. 4 A. AB B. A ^t B ^t C. B ^t A ^t D. A ^t B
14	The transpose of a column matrix is a	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
15	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
16	Question Image	
17	Question Image	A. 3 x 2 B. 2 x 3 C. 3 x 3 D. 2 x 2
18	Which of the following is an identity matrix?	D. none of these
		<u>A</u> . m x m

19	If $A = aij $ is $(m \times n)$ matrix then transpose of A is of the order	B. m x n C. n x n D. n x m
20	Question Image	A. 16 B. 256 C. 64 D. 1024