ECAT (Pre-Eng) Mathematics Chapter 5 Matrices and Determinants

Sr	Questions	Answers Choice
1	If A and B are skew-symmetric then (AB)t is	A. At Bt B. AB C. -AB D. BA
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	Question Image	
4	A = [3] is a/an	A. Square matrix B. Scalar matrix C. Diagonal matrix D. Identity matrix
5	A and B be two square matrices and if their inverse exist the (AB)-1 =	A. A-1 B-1 B. AB-1 C. A-1B D. B-1A-1
6	Question Image	
7	Question Image	
8	Question Image	A. At B. -A C. A D. A-1
9	Question Image	A. K/6 B. 2K C. 3K D. 6K
10	Question Image	
11	Question Image	
12	The transpose of a row matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
13	Question Image	A. 1 B. -1 C. 0 D. I
14	The matrix A is Hermitian when (A)' =	A. A B. -A C. A D. A'
15	If for the matrix A,A5 = 1,then A-1=	A. A2 B. A3 C. A D. None of above
16	Question Image	A. 0 B. 1 C. -2 D. 10
17	Question Image	A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3
18	Question Image	A. 2 x 2 B. 2 x 3 C. 3 x 2

		D. 3 x 3
19	Question Image	A. (2x4) B. (2x7) C. (2x3) D. (7x2)
20	If A = |aij| is (m x n) matrix then transpose of A is of the order	A. m x m B. m x n C. n x n D. n x m