ECAT Mathematics Chapter 5 Matrices and Detarminants Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	System of linear equation is inconsistent if	A. System has no solution B. System has one solution C. System has two solution D. None of above
4	Question Image	A. Null matrix B. Triangular matrix C. Unit matrix D. Rectangular matrix
5	Question Image	A. At B. -A C. A D. A-1
6	Question Image	A. A B. -A C. A^t D. A⁻
7	Question Image	
8	If for the matrix A,A5 = 1,then A-1=	A. A2 B. A3 C. A D. None of above
9	If for the matrix A, A^5= I, then A^{-1}=	A. A² B. A³ C. A D. None of above
10	Question Image	A. 16 B. 256 C. 64 D. 1024
11	The square matrix A is skew-symmetric when At=	A. -B B. -C C. -A D. -D
12	Rank of matrix [1 3 5 0] is	A. 1 B. 3 C. 2 D. 4
13	The square matrix A is skew-symmetric when At =	A. -B B. -C C. -A D. -D
14	Question Image	A. a = 2, b = 3 B. a = 3, b = 2 C. a = 2, b = 1, 2 D. a = 3, b = 3
15	Question Image	
16	The square matrix A is skew Hermitian when (A)'=	A. A B. A' C. -A D. A
17	Question Image	

17	Question Image	
18	Question Image	A. 0 B. 1 C. 2 D. 3
19	If A and B are two matrices such that AB = B and BA = A then A2 + B2 =	A. 2 AB B. 2 BA C. A + B D. AB
20	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4