ECAT Mathematics Chapter 5 Matrices and Detarminants Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. Singular B. Non-singular C. Adjoint D. None of above
3	An equation of the form ax + by = k is homogeneous linear equation when	A. b = 0, a = 0 B. a = 0,b ≠ 0 C. b = -0,a≠ 0 D. a≠ 0,b≠ 0, k = 0
4	Question Image	A. At B. -A C. A D. A-1
5	In order of A is m x n and order of B is n x p then order of AB is	A. m x m B. n x n C. m x p D. p x m
6	If A is any matrix then its additive inverse is	A. A B. A⁻¹ C. A^t D. -A
7	The matrix A is Hermitian when (A)' =	A. A B. -A C. A D. A'
8	A square matrix A for which A^t= -A is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
9	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
10	Question Image	A. a = 2, b = 3 B. a = 3, b = 2 C. a = 2, b = 1, 2 D. a = 3, b = 3
11	Question Image	
12	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
13	Question Image	
14	Question Image	D. all
15	The square matrix A is skew Hermitian when (A)'=	A. A B. A' C. -A D. A
16	Question Image	A. 1 B. 0 C. 3 D. -1
17	Question Image	A. Square matrix B. Row matrix C. Symmetric matrix D. Null matrix
		A. a and b

18	We also the system of non-homogeneous linear equations by	B. b and c C. c and a D. a, b and c
19	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
20	Question Image	