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

Sr	Questions	Answers Choice
1	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a.b and c
2	If the matrices A and B are conformable for multiplication then $(AB)^t$= _____	A. AB B. A^tB^t C. B^tA^t D. A^tB
3	The transport of a rectangular matrix is a	A. Square matrix B. Rectangular matrix C. Row matrix D. Column matrix
4	Matrix multiplication is	A. Commutative B. Not commutative C. Not associative D. Not distributive
5	Question Image	A. 2s² B. 2s³ C. s³ D. 3s³
6	The order of the matrix A is 3 x 5 and that of B is 2 x 3.The order of the matrix BA is	A. 2 x 3 B. 3 x 2 C. 2 x 5 D. 5 x 2
7	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
8	Question Image	A. K/6 B. 2K C. 3K D. 6K
9	The matrix A is Hermitian when (A)' =	A. A B. -A C. A D. A'
10	Question Image	
11	Question Image	
12	We solve the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a,b and c
13	The matrix A = [aij]mxn with m ≠n is always	A. Symmetric B. Hermition C. Skew-symmetric D. None
14	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
15	Question Image	
16	Question Image	A. 5 B. 15 C. 10 D. 20
17	Question Image	A. 3 x 1 B. 1 x 3 C. 3 x 3

		D. 1 x 1
18	The transport of a square matrix is a	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
19	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
20	The square matrix A is skew-symmetric when At =	A. -B B. -C C. -A D. -D