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

Sr	Questions	Answers Choice
1	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
2	If for the matrix A,A5 = 1,then A-1=	A. A2 B. A3 C. A D. None of above
3	(ABC)' =	A. CBA' B. CBA C. C' B' A' D. None of these
4	Question Image	A. 3 x 2 B. 2 x 3 C. 3 x 3 D. 2 x 2
5	The additive inverse of a matrix A is	D. None of these
6	Question Image	A. 2s² B. 2s³ C. s³ D. 3s³
7	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
8	A square matrix all of whose elements except the main diagonal are zeros is called a	A. Null matrix B. Singular matrix C. Symmetric matrix D. Diagonal matrix
9	A square matrix A = [aij] is upper triangular when	A. cij = 0 B. bij = 0 C. aij = 0 for all i > j D. dij = 0
10	System of linear equations is inconsistent if	A. System has no solution B. System has one solution C. System has two solution D. None of above
11	If A is skew Hermitian Matrix then which of the following is not skew Hermitian matrix	A. A2 B. A5 C. A3 D. A7
12	Question Image	A. 6, -12, -18 B. -6, 4, 9 C. -6, -4, -9 D. -6, 12, 18
13	Let A is a 3 x 3 matrix and B is its adjoint matrix. If |B| = 64, then |A| =	
14	Question Image	A. a = -1/2, b = -1 B. a = 1, b = 2 C. a = 2, b = 3 D. None of above
15	The number of non zero rows in echelon form of a matrix is called	A. Order of matrix B. Rank of matrix C. Row operation D. None of these
16	Question Image	
17	The transport of a square matrix is a	A. Row matrix B. Column matrix C. Square matrix

		D. Null matrix
18	Question Image	
19	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0
20	If A is any matrix then its additive inverse is	A. A B. A⁻¹ C. A^t D. -A