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

Sr	Questions	Answers Choice
1	Question Image	
2	A = [3] is a/an	A. Square matrix B. Scalar matrix C. Diagonal matrix D. Identity matrix
3	Question Image	A. A B. -A C. A^t D. A^-
4	Question Image	A. 9/4 B. 4/9 C. 1 D. None of these
5	Two matrices A and B are conformable for the product AB if	A. Both A and B are square B. Both A and B are symmetric C. Number of rows of A = number of columns of B D. Number of columns of A = number of rows of B
6	Question Image	A. Square matrix B. Row matrix C. Symmetric matrix D. Null matrix
7	Cofactor of an element aij denoted by Aij is	A. $(-2)i+j$ B. Mij C. $(-1)i+j$ Mij D. None of above
8	For a square matrix A, if A = At, then A is called	A. Matrix B. Transpose C. Symmetric D. Non-symmetric
9	Question Image	
10	Question Image	A. 1 B. 0 C. 3 D. -1
11	Question Image	
12	Question Image	A. I B. |A| C. |A| I D. None of these
13	Question Image	
14	Question Image	
15	A matrix with a single row is called a	A. Column matrix B. Row matrix C. Null matrix D. Identity matrix
16	The transpose of a zero matrix is a _____	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
17	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
		A. (2x4)

18	Question Image	B. (2x7) C. (2x3) D. (7x2)
19	Question Image	A. 3 x 1 B. 1 x 3 C. 3 x 3 D. 1 x 1
20	Question Image	