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

Sr	Questions	Answers Choice
1	Question Image	A. Singular B. Non-singular C. Adjoint D. None of above
2	Question Image	A. 3K B. K2 C. K3 D. K
3	Question Image	
4	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
5	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
6	Question Image	A. 2 B. 4 C. 6 D. 8
7	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
8	If A is any matrix then its additive inverse is	A. A B. A⁻¹ C. A^t D. -A
9	The transpose of a zero matrix is a _____	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
10	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4
11	Question Image	
12	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0
13	Question Image	A. I B. 14 I C. 0 D. None of these
14	Question Image	
15	Question Image	
16	Question Image	A. I3 B. rI3 C. r D. none
17	Question Image	A. At B. -A C. A D. A-1

18	Question Image	A. 16 B. 256 C. 64 D. 1024
19	Cofactor of an element aij denoted by Aij is	A. (-2)i+j B. Mij C. (-1)i+j Mij D. None of above
20	Question Image	