ECAT Mathematics Chapter 5 Matrics and Determinants

Sr	Questions	Answers Choice
1	Question Image	
2	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
3	The transport of a rectangular matrix is a	A. Square matrix B. Rectangular matrix C. Row matrix D. Column matrix
4	Question Image	A. 3K B. K2 C. K3 D. K
5	Question Image	
6	Question Image	A. 16 B. 256 C. 64 D. 1024
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	Question Image	
9	The transport of a square matrix is a	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
10	A non-homogeneous linear system AX = B has no solution if	A. |A| = 0 B. |A|≠ 0 C. Rank (a) = no of variables D. Rank > no of variables
11	Question Image	
12	Matrices are represented by	A. Natural numbers B. Real numbers C. Small letters D. Capital letters
13	The square matrix A is skew-symmetric when At=	A. -B B. -C C. -A D. -D
14	Matrices A = [aij] 2 x 3 and B = [bij] 3 x 2 are suitable for	A. BA B. A2 C. AB D. B2
15	Question Image	
16	Question Image	A. (2x4) B. (2x7) C. (2x3) D. (7x2)
17	Question Image	A. k3 B. 0 C. 3k D. k6
18	(ABC)' =	A. CBA' B. CBA C. C'B'A

		D. CBA
19	If A and B are two matrices such that AB = B and BA =A, then $A^2 + B^2 =$	A. 2 AB B. 2 BA C. A + B D. AB
20	Question Image	A. 1 B. -1 C. 0 D. I