ECAT Mathematics Chapter 5 Matrics and Determinants

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. -2 D. 10
2	The transport of a null matrix is	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
3	The matrix A = [aij]mxn with m≠n is	A. Rectangular B. Symmetric C. Square D. None
4	Question Image	A. k3 B. 0 C. 3k D. k6
5	Question Image	A. 0 B. 1 C. -A D. -1
6	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
7	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1
8	The square matrix A is skew-symmetric when At =	A. -B B. -C C. -A D. -D
9	Question Image	D. all are correct
10	Question Image	A. A B. -A C. A^t D. A⁻
11	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a.b and c
12	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
13	Question Image	A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3
14	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
15	If A is singular then |A| = _____	A. 1 B. 0 C. 2 D. None of these
16	The transport of a square matrix is a	A. Row matrix B. Column matrix C. Square matrix

		D. Null matrix
17	For non-trival solution |A| is	A. non zero B. A = 0 C. |A| = 0 D. At = 0
18	For non-trival solution |A| is	A. A = 0 B. A^t= 0 C. |A| = 0 D. None of these
19	Matrices A = [aij] 2 x 3 and B = [bij] 3 x 2 are suitable for	A. BA B. A2 C. AB D. B2
20	Question Image	