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

Sr	Questions	Answers Choice
1	For a square matrix A, if A = At, then A is called	A. Matrix B. Transpose C. Symmetric D. Non-symmetric
2	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
3	Question Image	A. 0 B. 1 C. 2 D. 3
4	Question Image	A. I B. 14 I C. 0 D. None of these
5	Question Image	A. Symmetric B. Skew-symmetric C. Hermitian D. Skew hermitian
6	Question Image	A. -3 B. -7 C. 1 D. 0
7	Question Image	D. all
8	Question Image	
9	Question Image	A. 3K B. K2 C. K3 D. K
10	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
11	Question Image	A. 2s² B. 2s³ C. s³ D. 3s³
12	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
13	If A and B are two matrices such that AB = B and BA = A then A2 + B2 =	A. 2 AB B. 2 BA C. A + B D. AB
14	Question Image	A. A²- 5A + 7I = 1 B. 2A²- 3A + 7I = 0 C. A²- 5A + I = 0 D. A²- 5A + 7I = 0
15	Question Image	A. Scalar matrix B. Identity matrix C. Null matrix D. Symmetric matrix
16	Question Image	A. 5 C. -5 D. none
		A. Diagonal matrix

17	A matrix in which the number of rows is not equal to the number of columns is called a	B. Rectangular matrix C. Square matrix D. Scalar matrix
18	Minor of an element a_{ij} is denoted by	A. M_{ij} B. A_{ij} C. |A| D. None of these
19	Question Image	
20	Question Image	A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3