

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

Sr	Questions	Answers Choice
1	Question Image	A. 16 B. 256 C. 64 D. 1024
2	Question Image	A. a ² b ² c ² B. 4a ² b ² c ² C. 4abc D. None
3	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
4	Question Image	A. 0 B. 1 C. 2 D. 4
5	Matrices A = [aij] 2 x 3 and B = [bij] 3 x 2 are suitable for	A. BA B. A2 C. AB D. B2
6	A and B be two square matrices and if their inverse exist, the (AB)-1=	A. A ⁻¹ B ⁻¹ B. AB ⁻¹ C. A ⁻¹ B D. B ⁻¹ A ⁻¹
7	Question Image	A. I B. 14 I C. 0 D. None of these
8	A matrix with a single column is called	A. Column matrix B. Row matrix C. Identity matrix D. Null matrix
9	Which of the following is an identity matrix?	D. none of these
10	Question Image	A. A ⁻ B. A ^t CA D. A
11	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
12	Question Image	A. Null matrix B. Triangular matrix C. Unit matrix D. Rectangular matrix
13	Question Image	Aa -b -c B. 1 C. 0 D1
14	A square matrix A = [aij] is lower triangular matrix when	A. aij = 0 for all i <j b.="" bij="0" c.="" cij="0" d.="" dij="0</td"></j>
15	The transport of a rectangular matrix is a	A. Square matrix B. Rectangular matrix C. Row matrix D. Column matrix
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16	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
17	Question Image	A. 1 B1 C. 0 D. I
18	A matrix with a single row is called a	A. Column matrix B. Row matrix C. Null matrix D. Identity matrix
19	Question Image	
20	The transpose of a row matrix is a	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix