ECAT Mathematics Chapter 5 Matrics and Determinants

Sr	Questions	Answers Choice
1	If there are m rows and n columns in a matrix then its order is	A. m x n B. m x m C. n x n D. n x m
2	Question Image	D. all
3	Question Image	A. a = 4, b = 1 B. a = 1, b = -4 C. a = 0, b = 4 D. a = 2, b = 4
4	Question Image	A. Orthogonal B. Involutary C. Idempotent D. Nilpotent
5	The additive inverse of a matrix A is	D. None of these
6	A diagonal matrix in which the diagonal elements are equal is called a	A. Null matrix B. Identity matrix C. Scalar matrix D. Row matrix
7	The transpose of a zero matrix is a _____	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
8	Question Image	
9	Question Image	A. 2 B. 4 C. 6 D. 8
10	Question Image	
11	The matrix A = [aij]mxn with m ≠n is always	A. Symmetric B. Hermition C. Skew-symmetric D. None
12	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4
13	Question Image	A. 3K B. K2 C. K3 D. K
14	The square matrix A is skew-symmetric when At=	A. -B B. -C C. -A D. -D
15	If for the matrix A,A5 = 1,then A-1=	A. A2 B. A3 C. A D. None of above
16	Question Image	A. I3 B. rI3 C. r D. none
17	Question Image	A. 16 B. 256 C. 64 D. 1024
		A. (0, 0, 0)

18	Trival solution of homogeneous linear equation is	B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
19	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
20	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0