D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS) APTITUDE TEST

MATRICES AND DETERMINALS - TEST 46

1. Transpose of a rectangular matrix is a				
a) rectangular matrix	b)	diagonal matrix		
c) square matrix	ď)	scaler matrix		
2. Transpose of a column matrix is	,			
a) zero matrix	b)	diagonal matrix		
c) column matrix	d)	row matrix		
3. Two matrices A and B are multiplied to get AB if				
a) both are rectangular	b)	both have same order		
c) no of columns of A is equal to	d)	no of rows of A is equal to no of		
columns of B		columns of B		
4. If $ A = 0$, then A is	1- \	-i1		
a) zero matrix	b)	singular matrix		
c) non-singular matrix 5. If A is a symmetric matrix, then A ^t =	d)	0		
a) A	b)	A		
c) 0	d)	diagonal matrix		
6. Additive inverse of a matrix A is	a,	diagonal matrix		
a) A	b)	A		
c) A ²	d)	adj A/ A		
7. In a matrix multiplication for A and B, (A	•			
a) At Bt	b)	$B^t A^t$		
c) 1/AB	d)	AB		
8. For a non-trivial solution A is				
A > 0	b)	A < 0		
A = 0	d)	$ A \neq 0$		
9. Two matrices A and B are multiplied to g				
a) both are rectangular	b)	both have same order		
c) no of columns of A is equal to columns of B	d)	both are square matrices		
10. For any non- singular matrix A, A ⁻¹ =				
a) A adj A	b)	1 / A adj A		
c) adj A/ A	d)	None of Above		
11. If the order of matrix A is m×p. And the	•			
AB is ?				
a) $n \times p$	b)	$m \times n$		
c) $p \times n$	d)	$n \times m$		
12. If A and B are matrices, then which from the following is true?				
a) $AB \neq BA$	b)	$(At)t \neq A$		
c) $A + B \neq B + A$	d)	all are true		
13. The number of non-zero rows in an echlon form is called?				
a) rank of a matrix	b)	cofactor of the matrix		
c) reduced echlon form	d)	conjugate of the matrix		
14. Transpose of a rectangular matrix is aa) scaler matrix	b)	square matrix		
c) diagonal matrix	d)	rectangular matrix		
15. Transpose of a column matrix is	۵,			
a) row matrix	b)	zero matrix		
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c) column matrix	d)	diagonal matrix		
16. Two matrices A and B are multiplied to get AB if				
a) both are rectangular	b)	both have same order		
c) no of columns of A is equal to	d)	no of rows of A is equal to no of		
columns of B		columns of B		
17. If $ A = 0$, then A is				
a) 0	b)	zero matrix		
c) singular matrix	d)	non-singular matrix		
18. If A is a symmetric matrix, then At =				
a) 0	b)	A		
c) A	d)	diagonal matrix		
19. Additive inverse of a matrix A is				
a) $\operatorname{adj} A/ A $	b)	A^2		
c) A	d)	A		
20. Matrices obtained by changing rows and columns is called				
a) symetric	b)	transpose		
c) rectangular matrix	d)	None of Above		
21. Order of a matrix [2 5 7] is				
a) 1 x 1	b)	1 x 3		
c) 3 x 1	d)	3 x 3		
22. A matrix having m rows and n columns with m = n is said to be a				
a) scaler matrix	b)	identity matrix		
c) square matrix	d)	rectangular matrix		
23. Equations having a common solution are called				
a) linear equations	b)	simultaneous equations		
c) homogeneous equations	d)	None of Above		
24. [0 0 0] is				
a) Scaler matrix	b)	diagonal matrix		
c) identity matrix	ď)	null matrix		
25. If AB exists, then (AB)-1is				
a) $A^{-1} B^{-1}$	b)	B-1 A-1		
c) AB	ď)	None of Above		