

50+ Matrix MCQs with FREE PDF

1. *If column-major order is used, how is the following matrix stored in memory?*

a b c

d e f

g h i

a) ihgfedcba

b) abcdefghi

c) cfibehadg

d) adgbehcfi

Answer: adgbehcfi

2. *Which of the following don't use matrices?*

a) In solving linear equations

b) Image processing

c) Graph theory

d) Sorting numbers

Answer: Sorting numbers

3. *What is the order of a matrix?*

a) number of rows X number of columns

b) number of columns X number of rows

c) number of rows X number of rows

d) number of columns X number of columns

Answer: number of rows X number of columns

4. *Which of the following property does not hold for matrix multiplication?*

a) Associative

b) Distributive

c) Commutative

d) Additive Inverse

Answer: Commutative

5. *How do you allocate a matrix using a single pointer in C?(r and c are the number of rows and columns respectively)*

a) `int *arr = malloc(r * c * sizeof(int));`

b) `int *arr = (int *)malloc(r * c * sizeof(int));`

c) `int *arr = (int *)malloc(r + c * sizeof(int));`

d) `int *arr = (int *)malloc(r * c * sizeof(arr));`

Answer: `int *arr = (int *)malloc(r * c * sizeof(int));`

6. Matrix A when multiplied with Matrix C gives the Identity matrix I, what is C?

a) Identity matrix

b) Inverse of A

c) Square of A

d) Transpose of A

Answer: Inverse of A

7. Which of the following is an advantage of matrices?

a) Internal complexity

b) Searching through a matrix is complex

c) Not space efficient

d) Graph Plotting

Answer: Graph Plotting