13 Lecture - CS201

Important Mcqs

1.	A) Addition B) Multiplication C) Sorting D) Searching Answer: B) Multiplication
2.	Which function is used to calculate the length of an array in C++? A) length() B) size() C) lengthof() D) sizeof() Answer: D) sizeof()
3.	Which function is used to sort an array in C++? A) sort() B) merge() C) swap() D) copy() Answer: A) sort()
4.	Which of the following is a disadvantage of arrays? A) They can be resized easily B) They can only store elements of the same data type C) They are not index-based D) They are inefficient for searching and sorting Answer: B) They can only store elements of the same data type
5.	What is the complexity of linear search algorithm? A) O(log n) B) O(n) C) O(n log n) D) O(1) Answer: B) O(n)
6.	Which operator is used to access an element of an array in C++? A) () B) {} C) [] D) / Answer: C) []
7.	Which algorithm is used for sorting in the STL library of C++?

A) Bubble Sort

- B) Insertion Sort C) Selection Sort D) Quick Sort Answer: D) Quick Sort 8. What is the maximum number of dimensions that an array can have in C++? A) 1 B) 2 C) 3 D) There is no limit Answer: D) There is no limit 9. Which function is used to delete an element from an array in C++? A) remove() B) delete() C) erase() D) pop() Answer: C) erase() 10. What is the time complexity of binary search algorithm? A) O(log n)
- - B) O(n)
 - C) O(n log n)
 - D) O(1)

Answer: A) O(log n)