

50+ Parallel Array MCQs with FREE PDF

1. What is a sorted array?

- a) Arrays sorted in numerical order
- b) Arrays sorted in alphabetical order
- c) Elements of the array are placed at equally spaced addresses in the memory
- d) All of the mentioned

Answer: All of the mentioned

2. What are parallel arrays?

- a) Arrays of the same size
- b) Arrays allocated one after the other
- c) Arrays of the same number of elements
- d) Arrays allocated dynamically

Answer: Arrays of the same number of elements

3. Which of the following is a disadvantage of parallel array over the traditional arrays?

- a) When a language does not support records, parallel arrays can be used
- b) Increased locality of reference
- c) Ideal cache behaviour
- d) Insertion and Deletion becomes tedious

Answer: Insertion and Deletion becomes tedious

4. Which of the following is an advantage of parallel arrays?

- a) Poor locality of reference for non-sequential access
- b) Very little direct language support
- c) Expensive to shrink or grow
- d) Increased Locality of Reference

Answer: Increased Locality of Reference

5. To search for an element in a sorted array, which searching technique can be used?

- a) Linear Search
- b) Jump Search
- c) Binary Search
- d) Fibonacci Search

Answer: Binary Search

6. Which of the following is not an application of sorted array?

- a) Commercial computing
- b) Priority Scheduling
- c) Discrete Mathematics
- d) Hash Tables

Answer: Hash Tables

7. What is the worst case time complexity of inserting an element into the sorted array?

- a) $O(n \log n)$
- b) $O(\log n)$
- c) $O(n)$
- d) $O(n^2)$

Answer: $O(n)$

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