Polling Quiz MCQs

1. On an array data structure searching operation can be performed efficiently in _____ time.
A. O(1)
B. O(log n)
C. O(n log n)
D. O(n^2)
E. O(n)
Answer: B

2. What is time complexity of addition and deletion operations on an array
A. O(1)
B. O(n)
C. O(log n)
D. None of the above
Answer: B

3. Searching operation takes _____ time on a linked list.
A. O(1)
B. O(log n)
C. O(n log n)
D. O(n^2)
E. O(n)
Answer: E

4. What is the time complexity to add node into the singly linear linked list at last position?
A. O(n)
B. O(n^2)
C. O(1)
D. O(log n)
Answer: A

5. Which of the following statement is false in a Linked List
A. Linked List is a dynamic data structure.
B. Addition and Deletion operations are efficient and convenient in a Linked List than in an array.
C. Linked List elements can be accessed efficiently than array elements.
D. Linked List takes more space to store n elements than array.
Answer: C