

1. \_\_\_\_\_ of RAND Corporation created linked list.

- A. Allen Newell
- B. Cliff Shaw
- C. Herbert A. Simon
- D. All of these

Answer: D

2. Given a Singly LinearLinked List, in order to find the  $n$ th element, where  $n$  is the number of elements in the list, assuming the value of  $n$  is not known in advance, time complexity will be:

- A.  $O(n)$
- B.  $O(n^2)$
- C.  $O(\log n)$
- D.  $O(n \log n)$

Answer: A

3. Linked List can not be used where data is processed

- A. logarithmically
- B. Randomly
- C. both A and B options
- D. Sequentially

Answer: C

4.

**Suppose Singly Circular Linked List has 2 elements. Pointer p is pointing to first element.**

```
while(p)
{
    p=p->next->next->next;
}
```

**will cause to :**

- A. Compile Time Error**
- B. Runtime Error**
- C. Infinite Loop**
- D. No Error**

**Answer: C**

5.

**Choose incorrect match for n nodes of Doubly Linear Linked List implemented using tail pointer to retrieve last node.**

- A. tail == head->prev results true**
- B. tail == head results true**
- C. head->prev == tail->next results true**
- D. tail == tail->prev->next results true**

**Answer: A**